MERCURY REMOVAL ACTION

EPA Region 5 Records Ctr.

at
NICOR GAS REPORTING CENTERS
and
GAS STORAGE FIELDS

Prepared for: Nicor Gas

By: Huff and Huff, Inc. March 2001





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March 2001



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	omingto	n	Ingleside	•	Rock Falls	
	rthage	•	Joliet	•	Rockford	
	estwood	• -	Kankakee	•	Romeoville	
				_		
-	/stal Lak		LaGrange	•	Schaumburg	
	Kalb	•	Lake Bloomington (Storag	e) •	Shorewood	
• Dix		•	Lexington (Storage)	•	Stockton	
• Elg	gin	•	Morris	•	Troy Grove (Storage)	

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# APPENDIX A Approved Work Plans:

- Addendum to Removal Action and Confirmation Sampling Plan
- Cleaning of Pit at Bellwood Reporting Center
- Cleaning of Fire Prevention Pit at Crystal Lake Reporting Center

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# **CERTIFICATION**

Under penalty of law, I certify that, to the best of my knowledge, after appropriate inquiries of all relevant persons involved in the preparation of this report, the information submitted is true, accurate and complete.

Jagues E. Hull	3/24/2001
Signature	Date /
/	
James E. Huff, P.E.	
Name	
Vice President, Huff & Huff, Inc.	
Title, Company	
0-115	060/0
Richard Tappon	3/23/01
Signature	Date
Richard Tappan	
Name	
Manager Environmental Affairs, Nicor Gas	

Title, Company

# 1. INTRODUCTION

# 1.1 Report Overview

This document summarizes the investigation and remediation activities completed at Nicor Gas Reporting Centers and Gas Storage Fields located in northern Illinois. The activities were performed to address potential mercury impacts associated with the handling of mercury-type natural gas regulators.

The work was performed pursuant to and in accordance with the requirements of the "Administrative Order Pursuant to Section 106(a) of the Comprehensive Environmental Response, Compensation, and Liability Act, Docket No. VW-00-C-610," issued by the United States Environmental Protection Agency (U.S. EPA) in September 2000.

The work was conducted in accordance with work plans approved by U.S. EPA and Illinois EPA and included screening scrap metal accumulation areas for mercury vapors, sorting through scrap metal to remove any mercury-type regulators, screening and cleaning scrap metal containers, screening the ground for mercury vapors, and analyzing soil samples for mercury, where appropriate. In addition to the work performed in the scrap accumulation areas, a concrete sump at the Bellwood Reporting Center and a concrete vault at the Crystal Lake Reporting Center were cleaned of mercury impacts. The details and documentation of these efforts are presented herein.

## 1.2 Site Locations

The following sites were investigated for mercury regulators and mercury contamination associated with the scrap, and remediated as necessary:

- Ancona (Storage)
- Aurora (River St.)
- Batavia
- Bellwood ¹/
- Belvidere
- Bloomington
- Carthage
- Crestwood
- Crystal Lake <sup>2</sup>/
- DeKalb
- Dixon
- Elgin

- Elk Grove Village
- Freeport
- Glen Ellyn
- Glenwood
- Hudson (Storage)
- Ingleside
- Joliet
- Kankakee
- LaGrange
- Lk. Bloomington (Storage)
- Lexington (Storage)
- Morris

- Ottawa
- Paxton
- Pontiac (Storage)
- Pontiac (Water St.)
- Prospect Hts.
- Rock Falls
- Rockford
- Romeoville
- Schaumburg
- Shorewood
- Stockton
- Troy Grove (Storage)

<sup>&</sup>lt;sup>1</sup>/A concrete sump was also cleaned at Bellwood.

<sup>&</sup>lt;sup>2</sup> / A concrete vault was also cleaned at Crystal Lake.

### 1.3 Personnel

Key personnel associated with this project are:

Mr. Steven Faryan On-Scene Coordinator U.S. EPA
Jim Janssen On-Scene Coordinator Illinois EPA
Ms. Claudia Macholz Project Manager Nicor Gas
Mr. James E. Huff, P.E. Project Coordinator Huff & Huff

Mr. Perre Krizanek Contractor Heritage Environmental Services

# 1.4 Schedule

The Section 106(a) Order was issued in September 2000. Work began at the first site on September 1, 2000 and the majority of work was complete at all sites by February 19, 2001. (Work activities are detailed in Section 2.) Limited on-going follow-up activities are being performed at two sites; we anticipate the additional work will be complete by April 30, 2001. This additional work will be documented in a supplemental report.

## 2. WORK ACTIVITIES

# 2.1 Work Overview and Remediation Objectives

Work activities were performed in general accordance with the U.S. EPA and Illinois EPA approved *Removal Action and Confirmation Sampling Plan*, dated September 21, 2000, and the *Addendum to Removal Action and Confirmation Sampling Plan*, dated October 28, 2000. The Bellwood sump and Crystal Lake vault were decontaminated in general accordance with the approved specific cleaning procedures prepared in January 2001. Copies of the approved procedures are included in Appendix A.

All of the work performed pursuant to the U.S. EPA Section 106(a) Order and the approved work plans was conducted in coordination with Illinois EPA project managers designated as U.S. EPA's representatives. Illinois EPA was provided advanced notice of Nicor Gas's schedule for the performance of initial site investigation and scrap metal sorting activities and the opportunity to participate in these activities. At sites where mercury-type regulators or other mercury impacts were identified, Illinois EPA was again notified of the results of the initial investigations and the Nicor Gas remediation schedule and afforded the opportunity to oversee this follow-up work.

Remedial activities were performed at each site until confirmatory testing established that all applicable remediation objectives for this work had been achieved. Confirmatory testing was performed by screening with a Jerome mercury vapor analyzer (Jerome Meter) or by soil sampling. Soil sampling was performed at sites with elevated Jerome Meter levels in the head space of closed soil samples and/or because scrap metal was stored on soil or gravel surfaces.

The U.S. EPA and Illinois EPA approved the remediation objectives. For vapor screening, the objective was 0.010 mg/cu m mercury vapor as measured by the Jerome Meter. Where soil sampling was conducted, the remediation objectives were those provided at 35 Ill. Adm. Code Part 742. The satisfaction of all applicable remediation objectives for this work is fully documented in this report and in the attached documentation.

Table 1 summarizes the work performed for this project and Tables 2 and 3 present the soil sampling results from the 12 sites where soil samples were collected. The specific activities conducted at each site are documented in the attached summary reports. Site layout figures, photographs, shipping papers, and laboratory reports are included with the summary reports.

# 2.2 Sorting and Screening

Sorting and screening work activities included screening the scrap metal accumulation areas for mercury vapors, sorting through the scrap metal to remove any mercury beads and gas regulators that once contained elemental mercury, and screening for mercury vapors.

Most sorting was completed at the Nicor Gas facilities. Scrap yards that owned the scrap boxes also were contacted for assistance in sorting at their yards, but only after visual inspections and mercury vapor screening indicated mercury-type regulators or beads of mercury were not likely to

be present in the subject scrap, thus allowing transporation of the scrap from the Nicor Gas facilities to the respective scrap yards.

At many of the Nicor Gas facilities and at all of the scrap yards (except Newtson Iron & Metal), a magnetic crane was used to facilitate sorting. Generally, the scrap was picked up with the magnet, transferred over double-lined plastic sheeting for visual inspection, and if free of mercury-type regulators, transferred to a DOT-approved plastic lined rolloff box. If a mercury-type regulator was observed, or if the inspectors could not see all of the scrap picked up, then the scrap was lowered carefully onto the double-lined plastic sheeting. After further inspection and removal of any mercury-type regulators, the scrap was picked up by the magnet and placed in the lined DOT box.

At sites with small scrap metal boxes, the boxes were tipped over onto double-lined plastic, sorted, and then transferred with a Bobcat or manually to the lined DOT box. At sites where scrap metal was accumulated on the ground, double-lined plastic sheeting was laid down between the scrap and the lined DOT box, a Bobcat was used to spread the scrap on the plastic for inspection, any mercury-type regulators were removed, then the scrap was transferred to the DOT box.

Screening for mercury vapor at the ground beneath the scrap boxes and during the sorting activities was conducted with a Jerome Meter. Where soil or gravel was present, samples were placed in plastic bags, sealed, and then 10-to-15 minutes later, the trapped head space was checked for mercury vapors. For asphalt or concrete surfaces, the mercury vapors were checked 0.5-to-1.0 inches above the ground surface. During the warmer months, the surfaces were checked uncovered; in the colder months, plastic sheeting was placed over the ground and 10-to-15 minutes later the mercury vapors were checked beneath the plastic.

A similar mercury vapor screening procedure was used for the scrap metal and scrap metal boxes (a.k.a. lugger boxes). The boxes were screened for mercury vapors at four-to-eight locations depending upon the size of the box. In the warmer months, the boxes generally were not covered during screening; during the colder months, the boxes were covered before screening.

Scrap metal at six sites was sorted twice, once in early September 2000 and subsequently when the original scrap lugger boxes were removed from the site in November 2000 (Bellwood, Crestwood, Dixon, Glen Ellyn, Ingleside, and Prospect Heights).

## 2.3 Mercury-Type Regulators

The mercury-containing regulators have a unique pipe nipple, referred to as a small cup, on their base. The mercury was located in this cup while in service. Figures 1 through 3 depict the two styles of these mercury-type regulators.

In all, 36 Nicor Gas facilities were identified as accumulating scrap metal (see Section 1.2). Mercury-type regulators were found at 12 of the 36 sites. A total of 99 mercury-type regulators were found. The following four sites accounted for 86 of the total 99 mercury-type regulators found:

Crystal Lake	22
Elgin	24
Joliet	7
Pontiac (Water St.)	33

Note that no mercury regulators were found during the second round of sorting activities at any of the sites that were sorted twice (Bellwood, Crestwood, Dixon, Glen Ellyn, Ingleside, and Prospect Heights).

# 2.4 Scrap Management / Waste Management

Rather than engage in the process of characterizing the mercury-type regulators for waste disposal purposes, Nicor Gas treated all such regulators as RCRA hi-level mercury hazardous waste, place them in separate RCRA compliant containers and managed the materials in accordance with all applicable RCRA regulations. These containers were transported by Heritage to its Lemont facility and consolidated. These regulators have been shipped off for mercury retorting at Superior Special Services.

Scrap metal that exhibited an average mercury vapor concentration above 0.010 mg/cu m after sorting was shipped to Newton County Landfill as a solid waste. Scrap metal that was not contaminated with mercury (mercury vapors less than 0.010 mg/cu m) was transported to United Scrap for processing and ultimately sent to steel and aluminum smelting facilities. Where scrap was sorted at a scrap yard, scrap metal that was not contaminated with mercury was left at the scrap yard.

The following facilities were utilized for waste and/or scrap management during the mercury removal activities:

Superior Special Services Heritage Environmental Services 1275 Mineral Springs Drive 15330 Canal Bank Road

Port Washington, WI 53074 Lemont, IL 60439

United Scrap Metal Newton County Landfill 1545 S. Cicero Avenue 2266 E. 500 South Road Cicero, Illinois 60804 Brook, Indiana 47922

Berlinsky Scrap Corp. Behr Metals, Inc. 212 Page Avenue 1100 Seminary Street

Joliet, Illinois 60434 Rockford, Illinois 61104-4644

Elgin Salvage & Supply DeKalb Iron & Metal Co.

464 McDrive 900 Oak Street

Elgin, Illinois 60120 DeKalb, Illinois 60115

Newtson Iron & Metal, Inc. 901 W. Marquette Street Ottawa, IL 61350

# Relief System

- Mercury is contained within a small cup attached to the regulator with a bolt.
- A tube extends into the cup (when the bolt is attached).

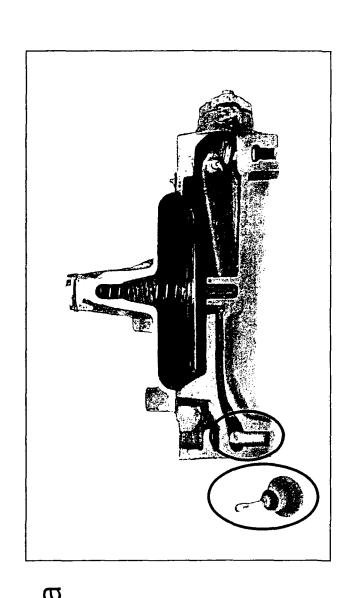


FIGURE 1

# Economy Regulator

# Relief System

- Mercury is contained within a small, sealed cup that screws onto the regulator.
- A tube extends into the cup (when it is attached).

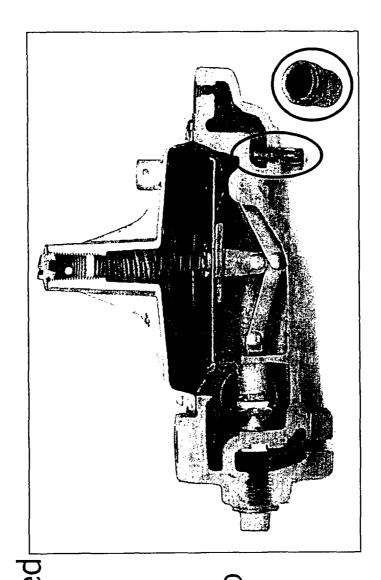
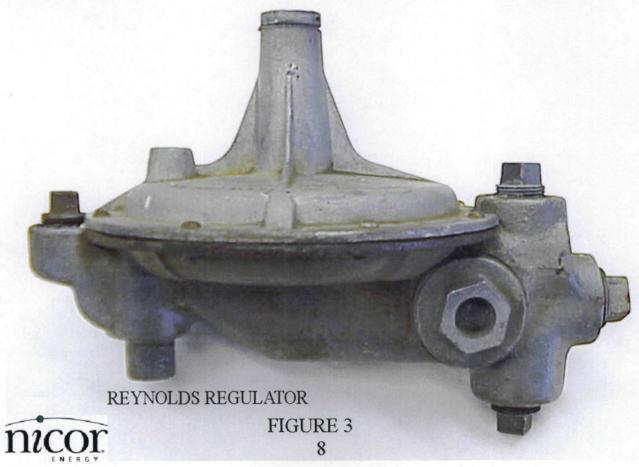


FIGURE 2

Reynolds Regulator





## 2.5 Soil Sampling Results

In accordance with the approved work plans, soil sampling was performed at 12 sites as a result of elevated mercury vapor readings and/or because the scrap metal was stored on soil or gravel surfaces. Tables 2 and 3 present the results of these soil sampling activities in comparison to the remediation objectives (inhalation, ingestion, and soil component of groundwater) for each potential exposure scenario (residential, industrial/commercial, construction worker, and Class I groundwater ingestion).

All mercury remediation objectives are achieved at all sites, with two exceptions: Prospect Heights, and Belvidere.

<u>Prospect Heights</u>. Mercury concentrations identified at the Prospect Heights Reporting Center are all below applicable industrial/commercial and construction worker remediation objectives. The only objective that is not achieved at the Prospect Heights Reporting Center is for residential inhalation exposure. The remediation objective is 10 mg/kg, versus a sample result of 11 mg/kg. Nicor Gas is arranging excavation of the subject soil and subsequent testing for total mercury. This work is expected to be completed by April 30, 2001. A Supplemental Report will be issued upon completion of the work at Prospect Heights.

Belvidere. The mercury concentration measured at the Belvidere Reporting Center (71.4 mg/kg) achieves the industrial/commercial remediation objectives. One sample did not achieve the residential remediation objectives, the construction worker ingestion remediation objective, or the soil component of groundwater exposure objective. Nicor Gas is arranging excavation of the subject soil and subsequent retesting for remaining mercury levels. This work is expected to be completed by April 30, 2001. A Supplemental Report will be issued upon completion of the work at Belvidere.

# NICOR GAS MERCURY REMOVAL ACTION ACTIVITY OVERVIEW TABLE 1

Facility	Segregation Location	No. of Mercury-Type Regulators	Non-Mercury Scrap Shipped to:	Soil Samples Collected
Ancona (Storage)	Site	0	United	Yes
Aurora (River St.)	Berlinsky	0	Berlinsky <sup>a/</sup>	not required <sup>b/</sup>
Batavia	Berlinsky	0	$Berlinsky^\omega$	Yes
Bellwood	Site United	0	Newton Co. United	not required not required
Belvidere	Site Behr	0 1	Behr Behr	Yes not required
Bloomington	Site	port	United	not required
Carthage	not required	0	not required	not required
Crestwood	Site Site	0 2	Newton Co. United	not required not required
Crystal Lake	Site	22	United	not required

<sup>&</sup>lt;sup>a/</sup> Spring-loaded regulators went to Newton County Landfill.

<sup>b/</sup> Determination of soil sampling requirements based on surface (e.g. asphalt or gravel) and Jerome Meter screening results

# MERCURY REMOVAL ACTION ACTIVITY OVERVIEW NICOR GAS TABLE 1

Facility	Segregation Location	No. of Mercury-Type Regulators	Non-Mercury Scrap Shipped to:	Soil Samples Collected
DeKalb	DeKalb Iron & Metal	0	DeKalb Iron & Metal <sup>a/</sup>	not required
Dixon	Site Site	0 0	Heritage United	Yes not required
Elgin	Elgin Salvage	24	Elgin Salvage	not required
Elk Grove Village	Site	0	United	not required
Freeport	Site	0	United	not required
Glen Ellyn	Site Berlinsky	0	United Berlinsky <sup>a/</sup>	Yes As part of Berlinsky investigation
Glenwood	Site	0	United	not required
Hudson (Storage)	Site	0	United	not required
Ingleside	Site (trash) Elgin Salvage	0	Heritage Elgin Salvage	not required

<sup>&</sup>lt;sup>a/</sup> Spring-loaded regulators went to Newton County Landfill.

<sup>b/</sup> Determination of soil sampling requirements based on surface (e.g. asphalt or gravel) and Jerome Meter screening results

# TABLE 1 NICOR GAS MERCURY REMOVAL ACTION ACTIVITY OVERVIEW

Facility	Segregation Location	No. of Mercury-Type Regulators	Non-Mercury Scrap Shipped to:	Soil Samples Collected
Joliet	Berlinsky	_	Berlinsky <sup>a/</sup>	As part of Berlinsky investigation
Kankakee	Site	2	United	not required
LaGrange	Site	2	None	not required
Lk Bloomington (Storage)	Site	0	United	Yes
Lexington (Storage)	Site	0	United	Yes
Morris	Site	0	United	not required
Ottawa	Newtson	0	Newtson <sup>a/</sup>	Yes
Paxton	not required	0	not required	not required
Pontiac (Storage)	Site	0	United	Yes
Pontiac (Water St.)	Site	33	United	not required

<sup>27</sup> Spring-loaded regulators went to Newton County Landfill.

<sup>&</sup>lt;sup>b/</sup> Determination of soil sampling requirements based on surface (e.g. asphalt or gravel) and Jerome Meter screening results

TABLE 1
NICOR GAS
MERCURY REMOVAL ACTION
ACTIVITY OVERVIEW

Facility	Segregation Location	No. of Mercury-Type Regulators	Non-Mercury Scrap Shipped to:	Soil Samples Collected
Prospect Hts.	Site	0	United	Yes
Rock Falls	not required	0	not required	Yes
Rockford	Behr	0	Behr	Yes
Romeoville	Site	0	United	not required
Schaumburg	Site	2	United	not required
Shorewood	Site	0	United	Yes
Stockton	Site	0	United	not required
Troy Grove (Storage)	Site	0	United	not required
	TOTAL	66	I	

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<sup>a/</sup> Spring-loaded regulators went to Newton County Landfill.

<sup>b/</sup> Determination of soil sampling requirements based on surface (e.g. asphalt or gravel) and Jerome Meter screening results

TABLE 2
NICOR GAS
MERCURY REMOVAL ACTION
MERCURY RESULTS IN SOIL BENEATH SCRAP METAL STORAGE AREAS
COMPARED TO INHALATION AND INGESTION OBJECTIVES

Location	Sample	Depth,	Total Hg,
	ID	inches	mg/kg
Inhalation Objectives Residential Industrial/Commercia Construction Worker	ı		10.000 540,000.000 52,000.000
Ingestion Objectives Residential Industrial/Commercia Construction Worker	l		23.000 610.000 61.000
Ancona	Sl	0-6	0.420
	S2	0-6	< 0.420
	S3	0-6	< 0.420
	S4	0-6	0.540
	S5	0-6	< 0.430
	S6	0-6	0.059
	S7	0-6	0.150
	S8	0-6	0.180
	S9	0-6	0.190
Batavia	Beneath Roll off box	0-6	0.006
Belvidere	Beneath Box 1	0-6	71.400
	Beneath Box 2	0-6	0.370
Dixon	Crack B1	0-6	1.20
	Crack B2	0-6	0.830
Glen Ellyn	Beneath North box	0-6	1.500
·	Beneath South box	0-6	0.340
Lake Bloomington	S3	0-6	< 0.420
Lexington	SI	0-6	< 0.510
Ottawa (at Newtson)	Pre-Sorting Near	0-6	17.800
	Post-Sorting Near	0-6	14.000
Pontiac Storage Field	S2	0-6	< 0.490
	S3	0-6	< 0.490
Prospect Heights	Beneath North box	0-6	0.280
	Beneath South box	0-6	11.000
Rock Falls	S1	0-6	< 0.048
	S2	0-6	< 0.048
	S3	0-6	0.092
	S4	0-6	0.360
	S5	0-6	0.270
Rockford	1	0-6	< 0.043
	2	0-6	< 0.046
Shorewood	SB-1	0-6	0.063
	SB-2	0-6	0.120

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## TABLE 3 NICOR GAS

## MERCURY REMOVAL ACTION

# MERCURY RESULTS IN SOIL BENEATH SCRAP METAL STORAGE AREAS COMPARED TO SOIL COMPONENT OF CLASS I GW OBJECTIVES

		Objectiv	ve		Results	
	Sample	Total	TCLP	Total	TCLP	
Location	ID	mg/kg	mg/L	mg/kg	mg/L	pН
Ancona	S1	8.0		0.42		8.46
	S2	8.0		< 0.42		8.24
	S3	8.0		< 0.42		8.56
	S4	8.0		0.54		8.31
	S5	8.0		< 0.43		8.27
	S6	8.0		0.059		8.47
	S7	8.0		0.15		8.37
	S8	8.0		0.18		8.14
	S9	8.0		0.19		7.96
Batavia	Beneath Rolloff Box	0.06 a/		0.0058		
Belvidere	Beneath Box 1	8.0		71.40		8.09
Derridere	Beneath Box 2	8.0		0.37		8.54
Dixon	Crack B1/D2	8.0		1.20		7.98
	Crack B2/D1	8.0		0.83		8.05
Glen Ellyn	Beneath North Box	8.0		1.50		8.67
	Beneath South Box	8.0		0.34		8.95
Lk. Bloomington	S3	8.0		< 0.42		8.93
Lexington	S1	8.0		< 0.51		7.95
Ottawa (at Newtson)	N1		0.002		< 0.0002	
Pontiac Storage Field	S2	8.0		< 0.49		8.16
· ·	S3	8.0		< 0.49		8.47
Prospect Heights	Beneath North Box	0.05-8.0 <sup>b/</sup>		0.28 <sup>C</sup> /		
	Beneath South Box		0.002		< 0.0002	
Rock Falls	S1	8.0	0.002	< 0.048	< 0.0002	8.09
	S2	3.3	0.002	< 0.050	< 0.0002	7.19
	S3	6.4	0.002	0.092	< 0.0002	7.60
	S4	6.4	0.002	0.36	< 0.0002	7.59
	S5	8.0	0.002	0.27	< 0.0002	7.76
Rockford	1	8.0		< 0.043		9.64
	2	8.0		< 0.046		8.85
Shorewood	SB-1	6.4		0.063		7.60
	SB-2	6.4		0.12		7.69

a/Background concentrations for counties within Metropolitan Statistical Areas is 0.06.

b/ Soil pH not measured; used range from background (0.05, mg/kg) to pH 8.0 value (8.0 mg/kg).

c/ Soil pH will be collected during further remediation efforts.

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# 3. COSTS

The Section 106(a) Order requires that Nicor Gas prepare a good faith estimate of the total costs incurred in complying with the Order. Nicor Gas estimates that approximately \$180,000 has been spent on the activities described in this report.

The cost breakdown is as follows:

Scrap Metal Segregation	
Engineering Oversite	\$ 62,542
(including report preparation)	
Contractor Heritage	65,636 <sup>a/</sup>
Others (Drillers)	1,760
Analytical	1,057
Scrap Metal	
Trucking	21,618
Disposal (Non-Hazardous Waste)	1,218
Disposal (Hazardous Waste)	6,475 b/
Cleaning of Pits - Bellwood & Crystal Lake	
Engineering Oversite	8,332
Contractor-Mosbeck	10,672
Analytical	 150
TOTAL	 \$179,460

<sup>&</sup>lt;sup>a/</sup> Costs through 12/31/99. <sup>b/</sup> Estimated value based upon 99 mercury-type regulators and \$4,000 costs for plastic and PPE disposal.

# Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site information	
Site name:	Ancona Storage Field, Station #70
Site location:	2 mi. S of Rte 14, 4 mi. W of Rte 23 Ancona, IL 61311
Site contact and phone no:	Bob Purchase, (815) 740-4100
2. Initial Site Visit	
Date of initial site visit: Huff & Huff personnel on site:	10/26/00 Homa Rizvi
No. of scrap piles: Scrap contained in: Ground surface beneath scrap:	1 Box Concrete bin On the ground Asphalt Gravel Concrete Soil
Description of scrap: Approx. 60 ft. in diameter, located at the	ne NE corner of the facility.
Photographs attached:	Yes 🛛 No 🗌
Screening of scrap: Jerome Meter readings (mg Hg/ m³)	Yes 🛛 No 🗌
Scrap pile (uncovered):	0.000 0.000 0.000 0.000 0.000
3. Scrap Metal Segregation	
Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	11/9/00 Homa Rizvi D
Location where scrap was sorted: Figure attached:	Site Scrap yard Yes No
Screening before segregation:  Jerome Meter readings (mg Hg/ m³):  Scrap pile (uncovered):	Yes No

### Description of segregation activities: A rolloff box was delivered to the site and lined with plastic sheeting (box no. 200231; partially filled at Pontiac Storage Field). The scrap was sorted from the pile and then transferred into the rolloff box, using a bobcat excavator and by hand. Large items, such as appliances, were not transferred. No mercury-type regulators or mercury beads were identified. No. of Hg-type regulators: Volume of scrap: 20 cubic yards No. of scrap boxes shipped off-site: 1 rolloff box (box no. 200231) Location shipped to/via: United Scrap via Ozinga Transportation Shipping papers attached: Yes 🔀 No 📗 Photographs attached: Yes No 🖂 Yes No No Screening after segregation: Jerome Meter readings (mg Hg/m<sup>3</sup>) **S4** Soil beneath pile (covered): S1 S2 S3 S5 S6 0.008 0.008 0.006 0.007 0.007 0.005 **S7** S9 **S8** 0.004 0.006 0.006 Scrap shipped off-site (covered): 0.000 0.000 0.000 0.000 0.0000.006 4. Sample Collection and Analysis Soil samples collected: Yes No No Collected at Ancona 11/17/00 Date of sample collection: Collected by: Homa Rizvi Yes No No Figure attached: Analytical laboratory: Test America Sample ID Total Hg, mg/kg (dry wt) Sample ID Total Hg, mg/kg (dry wt) S1 0.42 **S6** 0.059 S2 < 0.42 **S**7 0.15 **S**3 < 0.42 **S8** 0.18 **S4 S9** 0.54 0.19 S5 < 0.43 5. Additional Comments

3. Scrap Metal Segregation (continued)

None.

# 6. Status

No mercury-type regulators identified.

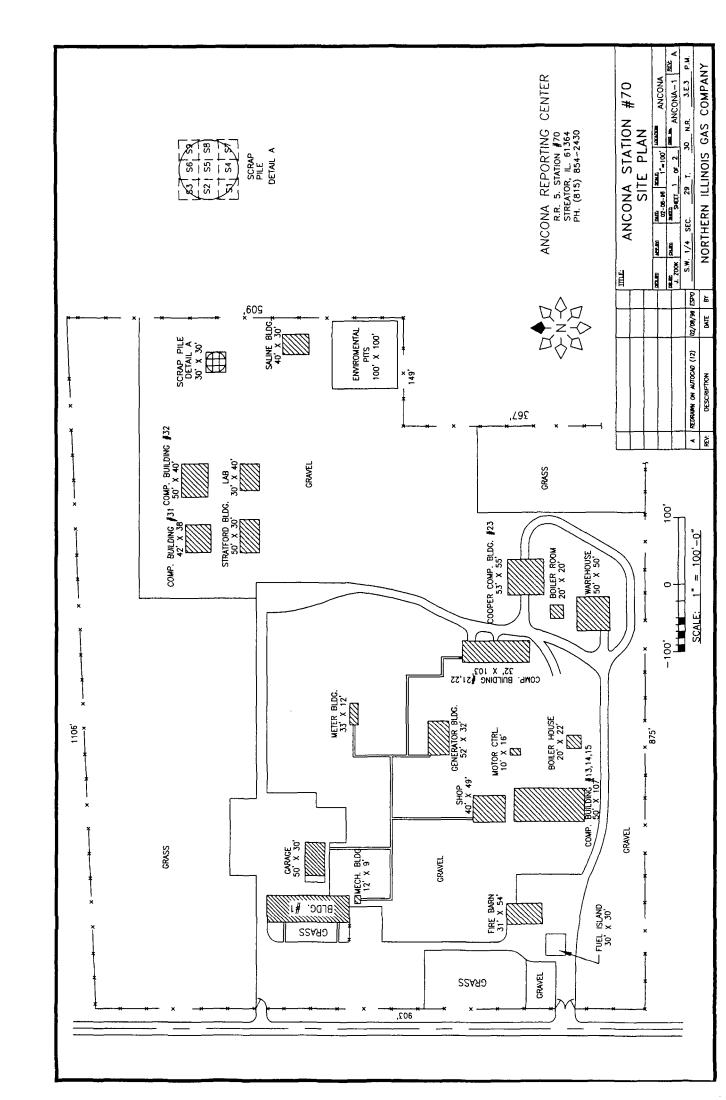
Final Jerome Meter readings achieve objective (<0.010 mg Hg/m<sup>3</sup>).

Soil sample results achieve objectives (<10 mg/kg Hg; residential Tier 1 Objective).

Work complete. No follow up required.

N/A – Not Applicable

 $E:\label{loc:local} E:\label{local} E:\label{local} E:\label{local} An conaStorage. doc$ 



# ANCONA STORAGE FIELD October 26, 2000



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	<u> </u>	(Name of Carr	ner)		<del></del>	<u> </u>
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	shipper to be not exceeding	ment of freight and all other o	narges		reight prepaid	[ Calles-
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JHIPPER	half the state of the		CARRIER A 21/2019	7		
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QC Deliverables (Batch QC) Level 3 Level 2 Level 4 REMARKS None Other LABORATORY COMMENTS: To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes? Bottles Supplied by TestAmerics: State: Rec Lab Temp: -ä Project Name: NICAC Ancery Method of Shipment: Custody Seals: Y Compliance Monitoring アンピンチ ガチ Analyze For: Report To: Time: |े Site/Location ID: Invoice To: Quote #: Project #: Time: Time Date Date: ther (Specify) Preservation & # of Containers Phone: 630-289-3100 Fax: 630-289-5445 Habaiwa Balterilec Client #: euol Received By: WIII **lons/ttel** \*05<sup>2</sup> Received By: Fax HOen りってころへもど ICI <sup>E</sup>ONH Bartlett Division 850 West Bartlett Road Bartlett, IL 60103 Specify Other WW - Wastewater 5940 Matrix R12. GW - Groundwater S - Solv Solid Time: Time: Time: ield Filtered Client Name 444 > Hat 1/18. 579. G = Grab, C = CompositeHang Date: Date: Date: Time Sampled Address: 5(A 17-04 Test/\merica Date Sampled 12 Project Manager: 🔍 City/State/Zip Code: relephone Number: Sampler Name: (Print Name) Sempler Signature: Rush (surcharges may apply) z Special Instructions: Relinquished By: Relinquished By Refinquished By: Date Needed: Fax Results: Standard SAMPLE ID く 0

Rid

# Test/America

Mr. James Huff HUFF & HUFF INC. 512 West Burlington Suite 100

LaGrange, IL 60525

12/06/2000

Job Number: 00.12987

IEPA Cert. No.: 100221 WDNR Cert. No.: 999447130

Enclosed is the Analytical and Quality Control reports for the following samples submitted to Bartlett Division of TestAmerica for analysis.

Project Description: Nicor; Ancona IL.

Number Sample Description Taken Rece	
608173       S2       11/17/2000       11         608174       S3       11/17/2000       11         608175       S4       11/17/2000       11         608176       S5       11/17/2000       11         608177       S6       11/17/2000       11         608178       S7       11/17/2000       11         608179       S8       11/17/2000       11	L/22/2000 L/22/2000 L/22/2000 L/22/2000 L/22/2000 L/22/2000 L/22/2000 L/22/2000 L/22/2000

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. results apply only to the samples analyzed. Reproduction of this report only in whole is permitted. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Procedures used follow TestAmerica Standard Operating Procedures which reference the methods listed on your report. Should you have questions regarding procedures or results, please do not hesitate to call. TestAmerica has been pleased to provide these analytical services for you.

This Quality Control report is generated on a batch basis. information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Approved by

Project Manager

Page 1 of 13



Mr. James Huff HUFF & HUFF INC.

512 West Burlington

Suite 100

LaGrange, IL 60525

12/06/2000

Sample No. : 608172

Job No.: 00.12987

Sample Description: S1

Nicor; Ancona IL.

Date Received: 11/22/2000 Time Received: 11:15 Date Taken: 11/17/2000

Time Taken:

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
pH, Non-Aqueous	8.46		units	0.10	12/01/2000	kmt	SW 9045B
olids, Total	95.4		*	0.1	11/29/2000	kmt	SM 2540
Hercury, CVAA	0.42		mg/kg dw	0.042	11/30/2000	efw2	SW 7471A



Mr. James Huff HUFF & HUFF INC. 512 West Burlington

Suite 100

LaGrange, IL 60525

12/06/2000

Sample No. : 608173

Job No.: 00.12987

Sample Description:

Nicor; Ancona IL.

Date Received: 11/22/2000 Time Received: 11:15

Date Taken: 11/17/2000 Time Taken:

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
pH, Non-Aqueous	8.24		units	0.10	12/01/2000	kmc	SW 9045B
olids, Total	95.2		¥	0.1	11/29/2000	kmt	SM 2540
ercury, CVAA	<0.42	MX	mg/kg dw	0.042	11/30/2000	efw2	SW 7471A

MX : Dilution required due to sample matrix; analyte is not detected.



Mr. James Huff HUFF & HUFF INC. 512 West Burlington

Suite 100

LaGrange, IL 60525

12/06/2000

Sample No. : 608174

Job No.: 00.12987

Sample Description: S3

Nicor; Ancona IL.

Date Taken: 11/17/2000 Time Taken: Date Received: 11/22/2000 Time Received: 11:15

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
pH, Non-Aqueous	8.56		units	0.10	12/01/2000	kmc	SW 9045B
olids, Total	94.7		*	0.1	11/29/2000	kmt	SM 2540
ercury, CVAA	<0.42	MX	mg/kg dw	0.042	11/30/2000	efw2	SW 7471A

1X : Dilution required due to sample matrix; analyte is not detected.



Mr. James Huff HUFF & HUFF INC.

512 West Burlington

Suite 100

LaGrange, IL 60525

12/06/2000

Sample No. : 608175

Job No.: 00.12987

Sample Description:

Nicor; Ancona IL.

Date Received: 11/22/2000 Time Received: 11:15 Date Taken: 11/17/2000

Time Taken:

Paramecer	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
pH, Non-Aqueous	8.31		units	0.10	12/01/2000	kmt	SW 90453
olids, Total	90.2		ŧ	0.1	11/29/2000	kmt	SM 2540
ercury, CVAA	0.54		mg/kg dw	0.044	11/30/2000	efw2	SW 7471A



Mr. James Huff HUFF & HUFF INC. 512 West Burlington Suite 100

LaGrange, IL 60525

12/06/2000

Sample No. : 608176

Job No.: 00.12987

Sample Description:

Nicor; Ancona IL.

Date Taken: 11/17/2000 Time Taken:

:

Date Received: 11/22/2000 Time Received: 11:15

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
pH, Non-Aqueous	8.27		units	0.10	12/01/2000	kmc	SW 9045B
Solids, Total	92.4		ક	0.1	11/29/2000	kmt	SM 2540
ercury, CVAA	<0.43	MX	mg/kg dw	0.043	11/30/2000	efw2	SW 7471A

4X : Dilution required due to sample matrix; analyte is not detected.



Mr. James Huff HUFF & HUFF INC. 512 West Burlington Suite 100

LaGrange, IL 60525

12/06/2000

Sample No. : 608177

Job No.: 00.12987

Sample Description: S6

Nicor; Ancona IL.

Date Taken: 11/17/2000

Time Taken:

Date Received: 11/22/2000 Time Received: 11:15

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
pH, Non-Aqueous	9.47		units	0.10	12/01/2000	kmt	SW 9045B
olids, Total	94.7		*	0.1	11/29/2000	kmt	SM 2540
ercury, CVAA	0.059		mg/kg dw	0.042	12/05/2000	efw2	SW 7471A



Mr. James Huff HUFF & HUFF INC. 512 West Burlington

Suite 100 LaGrange, IL 60525 12/06/2000

Sample No. : 608178

Job No.: 00.12987

Sample Description: S7

Nicor; Ancona IL.

Date Taken: 11/17/2000

Time Taken:

:

Date Received: 11/22/2000 Time Received: 11:15

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
pH, Non-Aqueous	8.37		units	0.10	12/01/2000	kmt	SW 9045B
olids, Total	88.9		ŧ	0.1	11/29/2000	kmt	SM 2540
Mercury, CVAA	0.15		mg/kg dw	0.045	12/05/2000	efw2	SW 7471A



Mr. James Huff HUFF & HUFF INC. 512 West Burlington

Suite 100

LaGrange, IL 60525

12/06/2000

Sample No. : 608179

Job No.: 00.12987

Sample Description:

Nicor; Ancona IL.

Date Taken: 11/17/2000

Date Received: 11/22/2000 Time Received: 11:15 Time Taken:

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
pH, Non-Aqueous	8.14		units	0.10	12/01/2000	kmt	SW 9045B
Solids, Total	98.4		*	0.1	11/29/2000	kmt	SM 2540
arcury, CVAA	0.18		mg/kg dw	0.045	12/05/2000	efw2	SW 7471A



Mr. James Huff HUFF & HUFF INC. 512 West Burlington

Suite 100

LaGrange, IL 60525

12/06/2000

Sample No. : 608180

Job No.: 00.12987

Sample Description:

Nicor; Ancona IL.

Date Taken: 11/17/2000 Time Taken:

Date Received: 11/22/2000 Time Received: 11:15

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
pH, Non-Aqueous	7.96		units	0.10	12/01/2000	kmt	SW 9045B
olids, Total	80.7		*	0.1	11/29/2000	kmt	SM 2540
ercury, CVAA	0.19		mg/kg dw	0.050	12/05/2000	efw2	SW 7471A

# Test/America

Mr. James Huff HUFF & HUFF INC. 512 West Burlington Suite 100 LaGrange, IL 60525 12/06/2000

Job Number: 00.12987

IEPA Cert. No.: 100221 WDNR Cert. No.: 999447130

Project Description: Nicor; Ancona IL.

# CASE NARRATIVE

No analytical exceptions were noted outside of routine method protocols.

Page 11 of 13



### KEY TO ABBREVIATIONS and METHOD REFERENCES

<	:	Less than; When appearing in the results column indicates the analyte was not detected at or
		above the reported value.

mg/L :	:	Concentration	in	units	οť	milligrams	οÉ	analyte per	L	iter of	sample.	Medaurement t	sed	for	
--------	---	---------------	----	-------	----	------------	----	-------------	---	---------	---------	---------------	-----	-----	--

aqueous samples. Can also be expressed as parts per million (ppm).

ug/g : Concentration in units of micrograms of analyte per gram of sample. Measurement used for

non-aqueous samples. Can also be expressed as parts per million (ppm) or mg/Kg.

ug/L : Concentration in units of micrograms of analyte per liter of sample. Measurement used for

aqueous samples. Can also be expressed as parts per billion (ppb).

ug/Kg : Concentration in units of micrograms of analyte per kilogram of sample. Measurement used for

non-aqueous samples. Can also be expressed as parts per billion (ppb).

TCLP : These initials appearing in front of an analyte name indicate that the Toxicity Characteristic

Leaching Procedure (TCLP) was performed for this test.

Surr: : These initials are the abbreviation for surrogate. Surrogates are compounds that are chemically

similar to the compounds of interest. They are part of the method quality control requirements.

Percent; To convert ppm to \$, divide the result by 10,000.

To convert % to ppm, multiply the result by 10,000.

ICP : Indicates analysis was performed using Inductively Coupled Plasma Spectroscopy.

AA : Indicates analysis was performed using Atomic Absorption Spectroscopy.

GFAA : Indicates analysis was performed using Graphite Furnace Atomic Absorption Spectroscopy.

PQL : Practical Quantitation Limit; the lowest level that can be reliably achieved within specified

limits of precision and accuracy during routine laboratory operating conditions.

### Method References

:

ASTM "American Society for Testing Materials"

EPA "Methods for Chemical Analysis of Water and Wastes", USEPA, EPA 600/4-79-020, Revised March 1983.

EPA "Test Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", EPA 600/4-82-057, July 1982.

SDWA "Methods for the Determination of Organic Compounds in Finished Drinking Water and Raw Source Water", USEPA, September 1986.

SDWA "Methods for the Determination of Metals in Environmental Samples", Supplement I USEPA, EPA-600/R-94/111, May 1994.

SM "Standard Methods for the Examination of Water and Wastewater", APHA-AWWA-WPCF, 18th Edition.

SW "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", USEPA, SW-846.

Page 12 of 13



# ATTACHMENT: CHAIN OF CUSTODY

Following are the chain of custody documents associated with the samples pertaining to this report.

PAGE 13 of 13

# Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site Information	
Site name:	Aurora Reporting Center
Site location:	408 S. River St. Aurora, IL
Site contact and phone no:	Jim Grant (630) 983-8676
2. Initial Site Visit	
Date of initial site visit: Huff & Huff personnel on site:	10/20/00 Darren Greving
No. of scrap piles: Scrap contained in: Box owner: Box ID no.: Ground surface beneath scrap:	l Box ☑ Concrete bin ☐ On the ground ☐ Berlinsky BSC R 2009 Asphalt ☑ Gravel ☐ Concrete ☐ Soil ☐
Description of scrap: The scrap was present in a lugger box,	located in the "licensed area."
Photographs attached:	Yes 🗌 No 🖂
Screening of scrap:  Jerome Meter readings (mg Hg/ m³)  North side of lugger box (uncovered):  SW corner of lugger box (uncovered):  South side of lugger box (uncovered):  SE corner of lugger box (uncovered):	Yes No \( \sum \)  0.000 \( 0.000 \)  0.012 \( 0.008 \)  0.009 \( 0.011 \)  0.006  0.004 \( 0.000 \)  0.000
3. Scrap Metal Segregation	
Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	11/13/00 Lisa Paulson D
Location where scrap was sorted: Figure attached:	Site Scrap yard Berlinsky Yes No

3. Scrap Metal Segregation (continued	d)(l					
Screening of scrap prior to segregation: Jerome Meter readings (mg Hg/ m³): Scrap in lugger box (uncovered):	Yes ⊠	0.000	0.000	0.000	0.000	0.000
Description of segregation activities:  The lugger box was transferred to the legal Plastic sheeting was spread onto the so the lugger box was emptied onto the particle The scrap was sorted using a magnetic No mercury-type regulators or mercury. The scrap was transferred to the Berwhich were placed in a roll-off box got	Berlinsky il ground blastic sh crane an y beads v linsky s	y Scrap ya d surface a eeting. nd by hand were ident crap pile,	djacent to l. ified. except fo	o the Berl or alumir	insky scrap	-
No. of Hg-type regulators:	0					
Volume of scrap: <5 cubic yards No. of scrap boxes shipped off-site: 0 Location shipped to/via: remained at Berlinsky, except aluminum regul which went to Newton County Landfill.						ılators
Shipping papers attached:	Yes [	] No ⊠	N/A			
Photographs attached:	Yes 🛭	☑ No □				
Screening after segregation: Jerome Meter readings (mg Hg/m³) Empty lugger box (uncovered): Asphalt beneath lugger box (at Aurora, 11/22/00, covered):	Yes 0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000	0.000
4. Sample Collection and Analysis						
Soil samples collected:	Yes [	] No ⊠				
5. Additional Comments	<del></del>			<del></del>		
None.						

# 6. Status

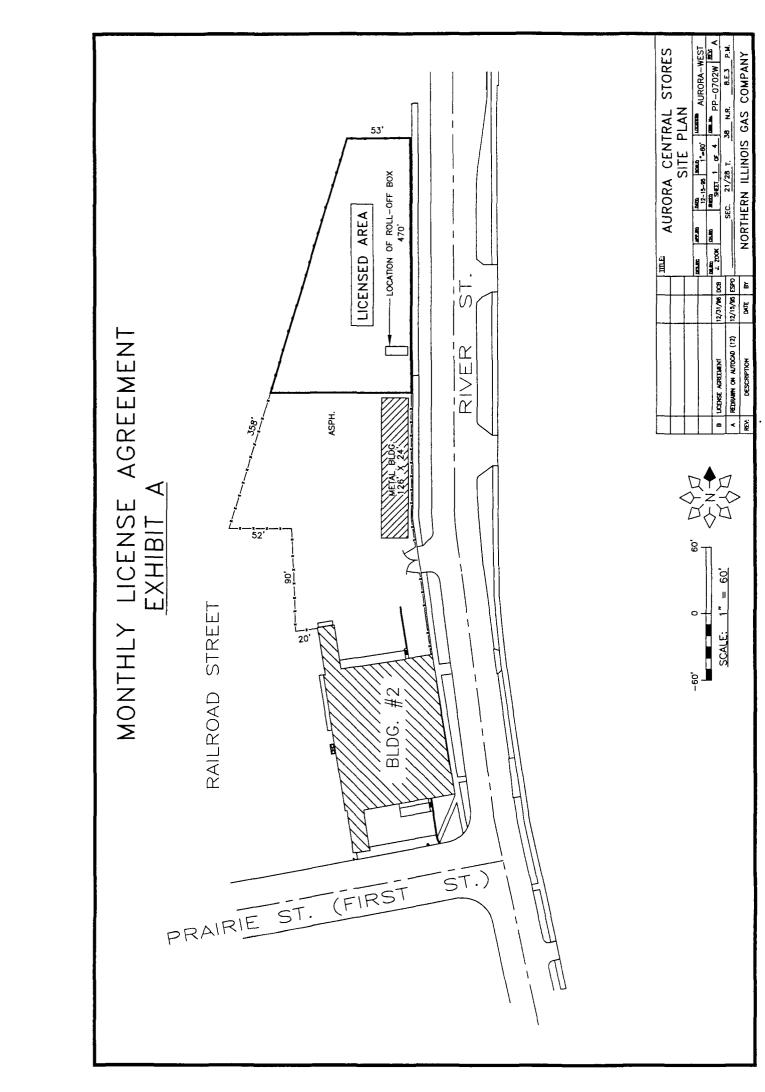
No mercury-type regulators identified.

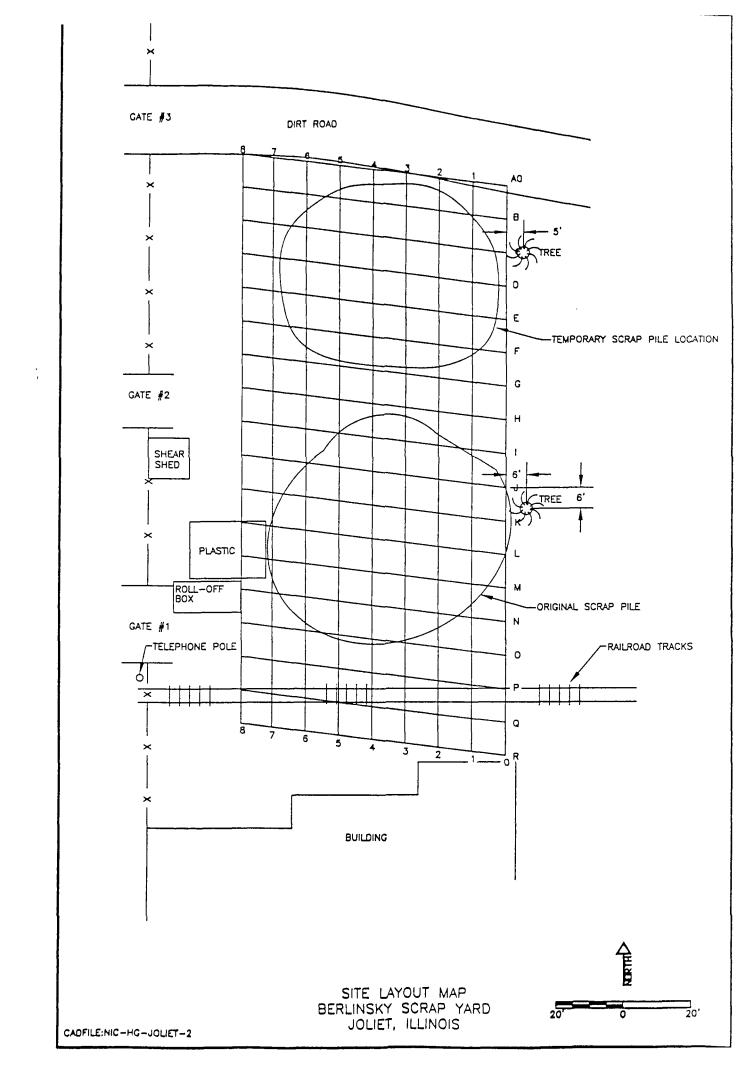
Final Jerome Meter readings achieve objective (<0.010 mg Hg/m<sup>3</sup>).

Work complete. No follow up required.

N/A – Not Applicable

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Roll-off box



Inside of roll-off box

# Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site Information	
Site name:	Batavia Reporting Center
Site location:	1261 Lyons, Batavia, IL 60510
Site contact and phone no:	Mike Henderson (708) 544-5707
2. Initial Site Visit	
Date of initial site visit: Huff & Huff personnel on site:	09/07/00 James E. Huff
No. of scrap piles: Scrap contained in: Box owner: Box ID no. Ground surface beneath scrap:	1 Box ☑ Concrete bin ☐ On the ground ☐ Berlinsky Scrap not recorded Asphalt ☐ Gravel ☑ Concrete ☐ Soil ☐
Description of scrap: One 10 cu yd rolloff box, uncovered.	
Photographs attached:	Yes No No
Screening of scrap: Jerome Meter readings (mg Hg/ m³) Scrap in rolloff box (uncovered):	Yes No \( \subseteq 0.000 \qua
3. Scrap Metal Segregation	
Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	12/13/00 Lisa Paulson D
Location where scrap was sorted: Figure attached:	Site ☐ Scrap yard ⊠ Berlinsky Scrap Yes ⊠ No ☐
Screening before segregation:	Yes No No

Plastic sheeting was spread onto the sol Berlinsky scrap pile. The scrap was sorted on the plastic sheet	box containing scrap metal to the Berlinsky Scrap Yard. il ground surface between the rolloff box and the eting and then transferred to the pile, using a magnetic egulators were transferred to roll-off box destined for beads were identified						
No. of Hg-type regulators:	0						
Volume of scrap: No. of scrap boxes shipped off-site: Location shipped to/via:	10 cubic yards 0 Remained at Berlinsky Scrap, except spring loaded regulators, which went to Newton County Landfill.						
Shipping papers attached:	Yes No (none required)						
Photographs attached:	Yes 🗌 No 🖂						
Screening after segregation:	Yes No 🖂						
4. Sample Collection and Analysis							
Soil samples collected: Date of sample collection: Collected by: Figure attached: Analytical laboratory:	Yes No Collection at Batavia 12/21/00 Darren Greving Yes No Test America						
Sample ID Total Hg,	mg/kg (dry wt)						
Beneath rolloff box, 0-6" 0.0058							
5. Additional Comments							
None							

3. Scrap Metal Segregation (continued)

# 6. Status

No mercury-type regulators identified.

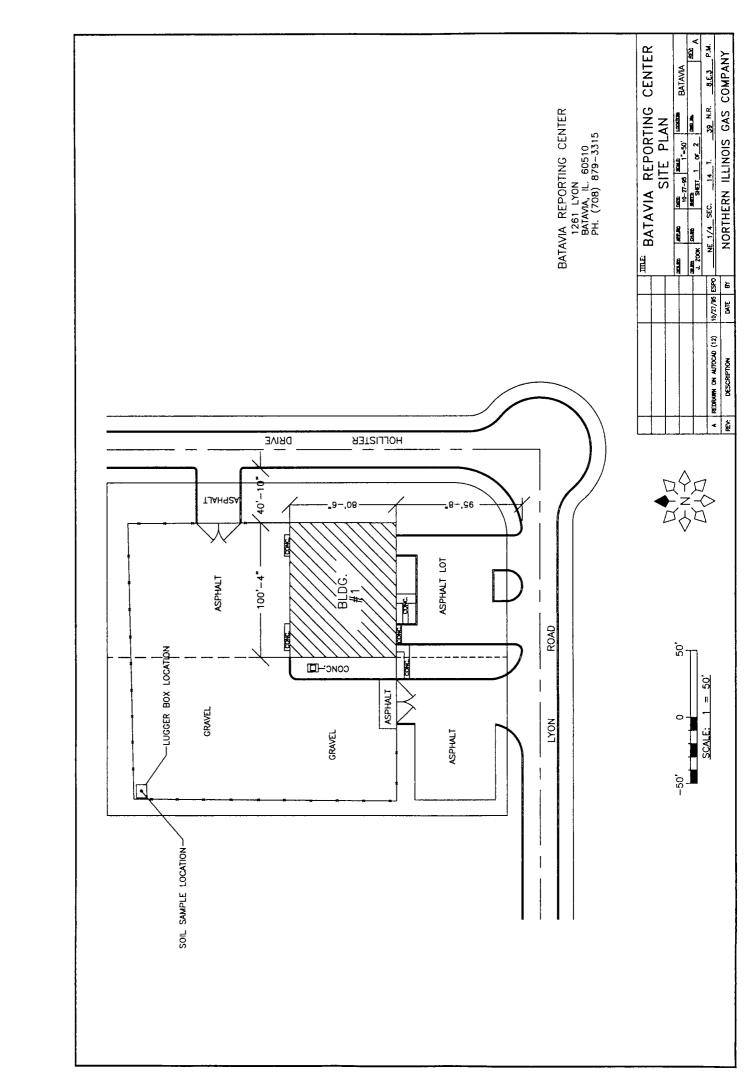
All Jerome Meter readings achieve objective (<0.010 mg Hg/m<sup>3</sup>).

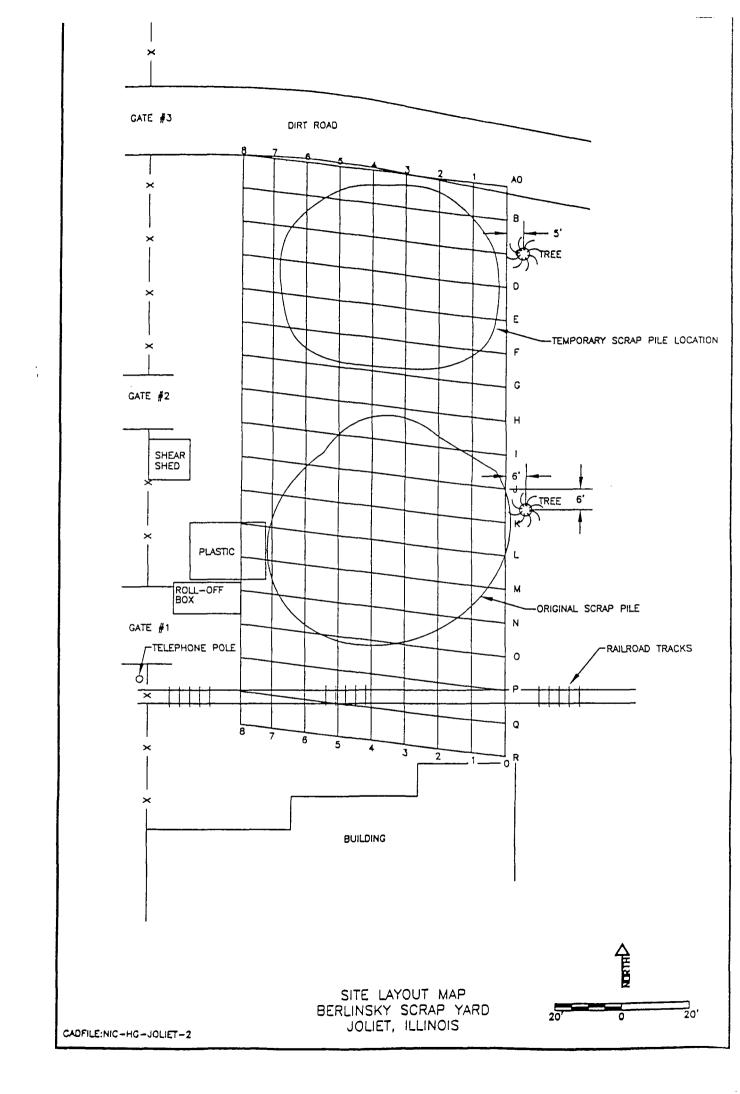
Soil sample results achieve objective (<10 mg/kg Hg; residential Tier 1 Objective).

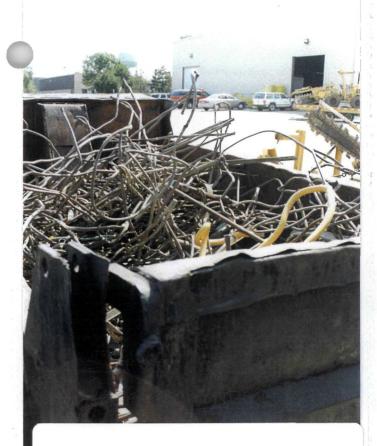
Work complete. No follow up required.

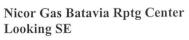
N/A – Not Applicable

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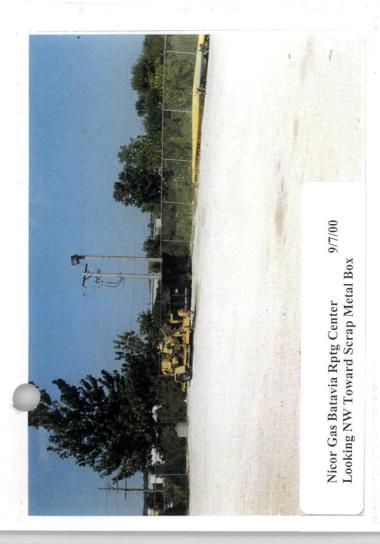


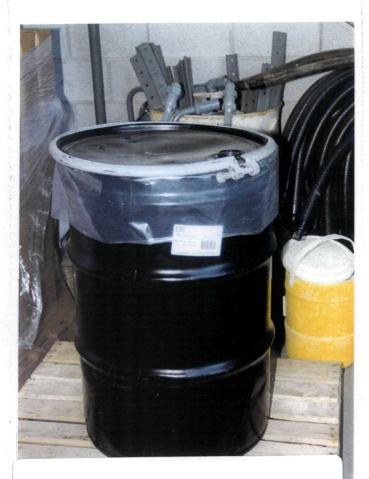






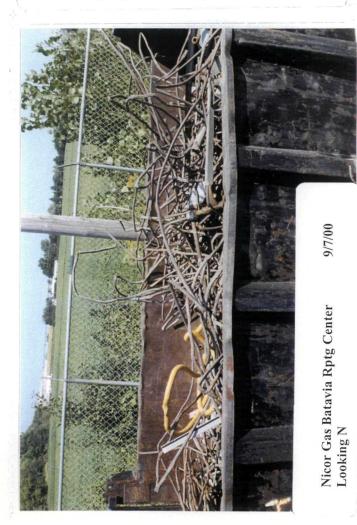
9/7/00





Nicor Gas Batavia Rptg Center Inside Hg-Regulator Storage

9/7/00



TESTAME ICA INC.

compliance monitoring? Yes.... No Drinking Water\_\_ fo None Watertown, WI (R) NPDESWastewater\_ Is this work being conducted for Is this work being conducted for 7 Rocklord, II (Q) regulatory enforcement action? (815) 874-2171 (920) 261-1660 REMARKS Which regulations apply: Page Time | Bottles Supplied by TA: Custody Seal: Tyes res\_\_\_No\_\_ Khae LAB USE ONLY: RCRA Other A Nashville, TN (M) (7 Pontiae, MI (O) J Orlando, FL (P) LIST 0561-335-1640 (407) 851-2560 Init Lab Temp # and type of containers auon тэйт() OS'H Time 'ONH (912) 757-0811 (615) 726-0177 ЮH Date REQUESTED PARAMETERS Date ☐ Davenport. IA (J) ☐ Indianapolis, IN (L) (319) 323-7944 (317) 842-4261 Davton, OH (1) Davton, NC (K) 0371 294-6856 ALTAN HOREWRY Received By: Received By-Received By: Received By: 17 Asheville, NC (A) Stanfett, H. (C) 7 Cedar Falls, IA (E) 7 Charlotte, NC (G) × [□] Brighton, CO (D)[□] Chadeston, SC (F)[□] Columbia, SC (H) (303) 659 0497 (843) 849-6550 (803) 796-8989 (704) 392-1164 Lab Use AGAS CADIOR Time 1920 2: Ame 12 12 1 1 1 me Time Comp (C) Matrix S PO. No. 16472 (319) 277-2401 State Samples Collected Date Date Other Invoice Address: T Level 2 - Batch QC Sampled By: び Project No.: Quote No. Date Needed. Aun ☐ Level 4 0018-685 (089) Report Address: 512 W. Burington Date LACRAINE IL COSTIS 77.7 Fax No. (708) 579-3526 Phone No. (708) 588 - 76. Client HUTE & HUTE INC. Record Min Darings Gold 12/4 J Level 3 None T Rush (surcharges may apply) 7 Atlanta, GA (B) (770), 368-0436 (828) 254 5160 TURNAROUND TIME Nicos Beauth Bea Sample ID Relinquished By A Chain of Cus Relinquished By. QC Deliverables: Relinquished By: Relinquished By COMMENTS Standard



Mr. Darren Greving HUFF & HUFF INC. 512 West Burlington Suite 100 LaGrange, IL 60525 01/03/2001

Job Number: 00.13965

IEPA Cert. No.: 100221 WDNR Cert. No.: 999447130

Enclosed is the Analytical and Quality Control reports for the following samples submitted to Bartlett Division of TestAmerica for analysis.

Project Description:

Sample Date Date Number Sample Description Taken Received

611510 Nicor Batavia Roll-Off Box 12/21/2000 12/21/2000

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. These results apply only to the samples analyzed. Reproduction of this report only in whole is permitted. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Procedures used follow TestAmerica Standard Operating Procedures which reference the methods listed on your report. Should you have questions regarding procedures or results, please do not hesitate to call. TestAmerica has been pleased to provide these analytical services for you.

This Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Approved by:

Project Manager

Page 1 of 5



01/03/2001 Mr. Darren Greving

HUFF & HUFF INC. 512 West Burlington Sample No. : 611510

Suite 100

Job No.: 00.13965 LaGrange, IL 60525

Sample Description: Nicor Batavia Roll-Off Box

Date Received: 12/21/2000 Time Received: 16:45 Date Taken: 12/21/2000

Time Taken:

Result Flag Units Reporting Date Analyst Analytical Limit Analyzed Initials Method Parameter 0.1 01/02/2001 kmt SM 2540 Solids, Total 90.1 mg/kg dw 0.00044 12/28/2000 efw2 SW 7471A Mercury, CVAA 0.0058



Mr. Darren Greving HUFF & HUFF INC. 512 West Burlington Suite 100 LaGrange, IL 60525 01/03/2001

Job Number: 00.13965

IEPA Cert. No.: 100221 WDNR Cert. No.: 999447130

Project Description:

## CASE NARRATIVE

No analytical exceptions were noted outside of routine method protocols.

Page 3 of 5



<	:	Less than;	When appearing	in	the	results	column	ındicates	the	analyte	was	not	detected	at or
		above the r	eported value											

mg/L : Concentration in units of milligrams of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per million (ppm).

ug/g : Concentration in units of micrograms of analyte per gram of sample. Measurement used for non-aqueous samples. Can also be expressed as parts per million (ppm) or mg/Kg.

: Concentration in units of micrograms of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per billion (ppb).

ug/Kg : Concentration in units of micrograms of analyte per kilogram of sample. Measurement used for

non-aqueous samples. Can also be expressed as parts per billion (ppb).

TCLP : These initials appearing in front of an analyte name indicate that the Toxicity Characteristic

Leaching Procedure (TCLP) was performed for this test.

Surr: : These initials are the abbreviation for surrogate. Surrogates are compounds that are chemically

similar to the compounds of interest. They are part of the method quality control requirements.

% : Percent; To convert ppm to %, divide the result by 10,000.

To convert % to ppm, multiply the result by 10,000.

ICP : Indicates analysis was performed using Inductively Coupled Plasma Spectroscopy.

AA : Indicates analysis was performed using Atomic Absorption Spectroscopy.

GFAA : Indicates analysis was performed using Graphite Furnace Atomic Absorption Spectroscopy.

PQL : Practical Quantitation Limit; the lowest level that can be reliably achieved within specified

limits of precision and accuracy during routine laboratory operating conditions.

### Method References

ug/L

ASTM "American Society for Testing Materials"

EPA "Methods for Chemical Analysis of Water and Wastes", USEPA, EPA 600/4-79-020, Revised March 1983.

EPA "Test Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", EPA 600/4-82-057, July 1982.

SDWA "Methods for the Determination of Organic Compounds in Finished Drinking Water and Raw Source Water", USEPA, September 1986.

SDWA "Methods for the Determination of Metals in Environmental Samples", Supplement I USEPA, EPA-600/R-94/111, May

SM "Standard Methods for the Examination of Water and Wastewater", APHA-AWWA-WPCF, 18th Edition.

SW "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", USEPA, SW-846.

Page 4 of 5



# ATTACHMENT: CHAIN OF CUSTODY

Following are the chain of custody documents associated with the samples pertaining to this report.

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# Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site information	
Site name:	Bellwood Reporting Center: Scrap Metal
Site location:	615 Eastern Ave. Bellwood, IL 60104
Site contact and phone no:	Mike Henderson (708) 544-5707
2. Initial Site Visit	
Date of initial site visit: Huff & Huff personnel on site:	09/06/00 James E. Huff
No. of scrap piles: Scrap contained in: Box owner: Box ID no. Ground surface beneath scrap:	l Box  Concrete bin  On the ground  United Scrap not recorded Asphalt  Gravel  Concrete  Soil
Description of scrap: One 20 cu yd rolloff box, uncovered, or	a asphalt.
Photographs attached:	Yes 🛛 No 🗌
Screening of scrap:	Yes No No
3. Scrap Metal Segregation	
First Segregation Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	09/06/00 James E. Huff C
Location where scrap was sorted: Figure attached:	Site ⊠ Scrap yard ☐ Yes ⊠ No ☐
Screening before segregation:	Yes No No

# 3. Scrap Metal Segregation (continued)

Description of segregation activities:

An empty rolloff box was delivered to the site and lined with plastic sheeting (Baker Tanks box R25611RT).

Plastic sheeting was spread onto the asphalt ground surface between the United Scrap rolloff box and the Baker rolloff box.

The scrap was sorted on the plastic sheeting and then transferred into the Baker rolloff box, using a magnetic crane and by hand.

One mercury-type regulator was identified and placed into a 55 gallon drum.

The United Scrap box was cleaned and left on site. No mercury beads were identified.

No. of Hg-type regulators: Location shipped to/via Manifests attached:	l Heritage via Heritage Yes ⊠ No □
Volume of scrap: No. of scrap boxes shipped off-site: Location shipped to/via: Shipping papers attached:	20 cubic yards 1 rolloff box (Baker R25611RT) Newton County Landfill via Ozinga Transportation Yes ☑ No ☐
Photographs attached:	Yes 🛛 No 🗌
Screening after segregation: Jerome Meter readings (mg Hg/ m³) Rolloff box, empty, before cleaned (u Asphalt beneath box	•
Second Segregation  Date of scrap segregation:  Huff & Huff personnel on site:  Level of Personal Protective Equipment:	12/08/00 Darren Greving D
Location where scrap was sorted: Figure attached:	Site ☐ Scrap yard ☑ United Scrap Yes ☑ No ☐
Screening before segregation:	Yes 🗌 No 🔯
Description of segregation activities: Nicor Gas continued to use the same U the United Scrap Yard to be resorted.	Jnited Scrap box for scrap. The box was transferred to

Plastic sheeting was spread onto the concrete ground surface between the rolloff box and the

United Scrap scrap pile.

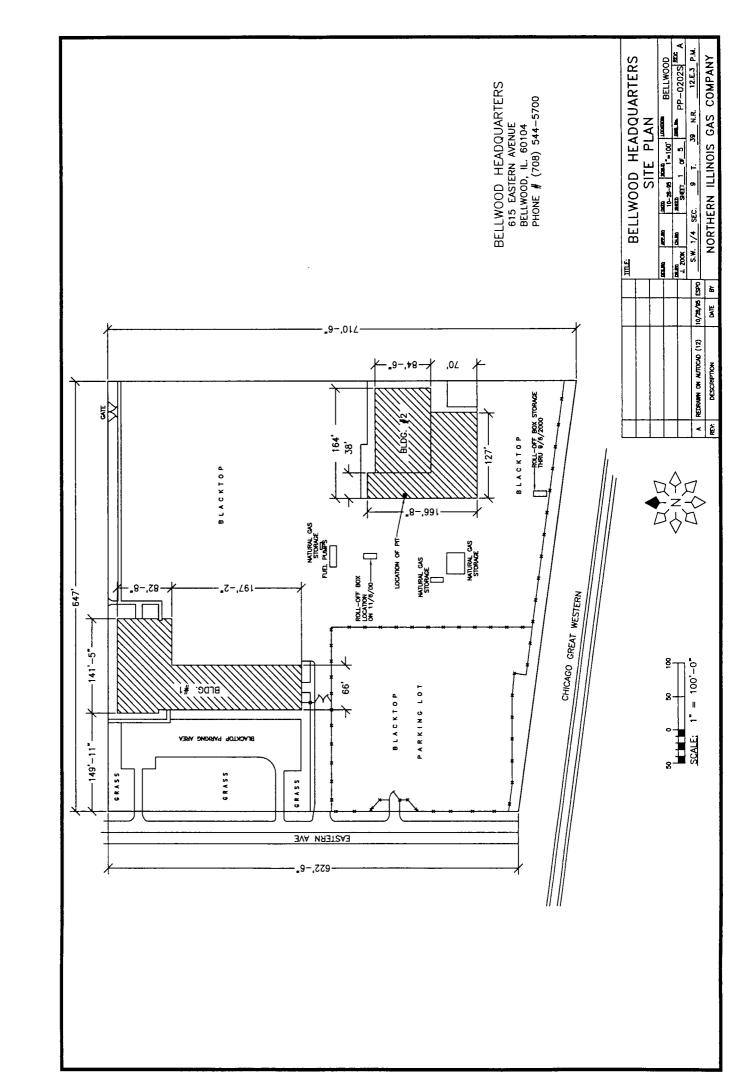
The scrap was sorted on the plastic sheeting and then transferred to the pile, using a bobcat excavator and by hand.

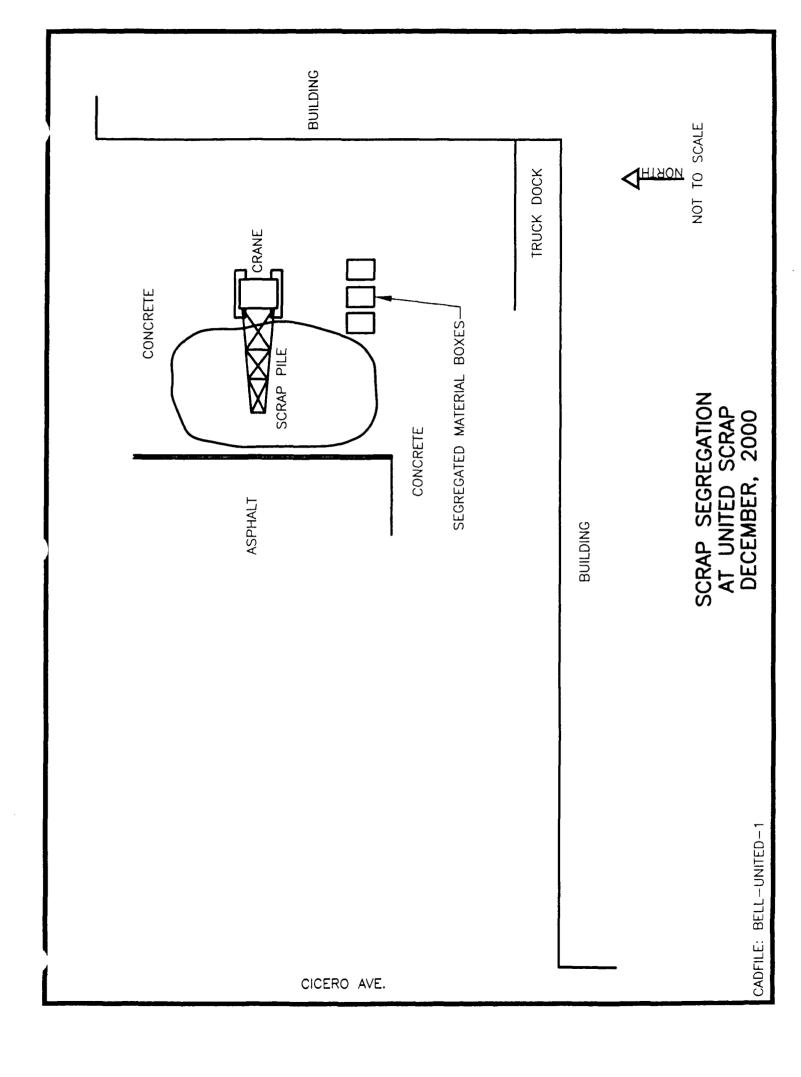
No mercury-type regulators or mercury beads were identified.

3. Scrap Metal Segregation (continued	)										
No. of Hg-type regulators:	0										
Volume of scrap: No. of scrap boxes shipped off-site: Location shipped to/via: Shipping papers attached:	20 cubic yards 0 Remained at United Scrap Yes ☐ No ☒ N/A										
Photographs attached:	Yes 🗌 No 🔀	Yes No No									
Screening after segregation: Jerome Meter readings (mg Hg/ m³) Rolloff box, empty, after cleaning (unco Concrete beneath box (unco		0.000 0.000	0.000 0.000	0.000 0.000							
4. Sample Collection and Analysis			<del></del>								
Soil samples collected:	Yes 🗌 No 🔀										
5. Additional Comments											
United Scrap owned the scrap rolloff box at Bellwood. The box initially was segregated at Bellwood on 09/06/00, with Illinois EPA present. One Hg-type regulator was found. The segregated scrap was shipped to Newton County Landfill on 11/10/00. The empty rolloff box was screened on 09/06/00 and the underlying asphalt pavement was screened on 11/29/00.  Nicor Gas continued to use the same United Scrap box for scrap, so on 12/08/00, the box was re-											
sorted at United Scrap. No Hg-type regulators were found. The scrap remained at United Scrap. The rolloff box and the underlying concrete ground surface were screened on 12/08/00.											
6. Status											
One mercury-type regulator identified.											
Final Jerome Meter readings achieve objective (<0.010 mg Hg/m <sup>3</sup> ).											
Work complete. No follow up required.											
N/A- Not Applicable											

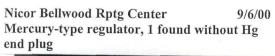
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Nicor Gas Inspection Bellwood Reporting Center: Scrap Metal

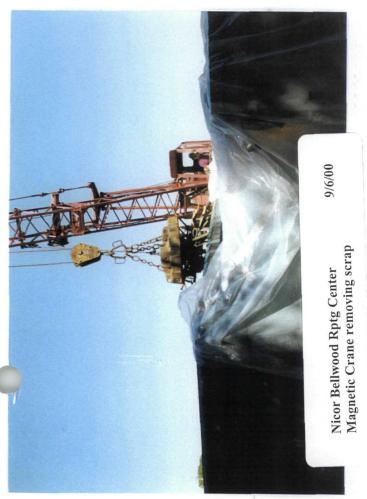


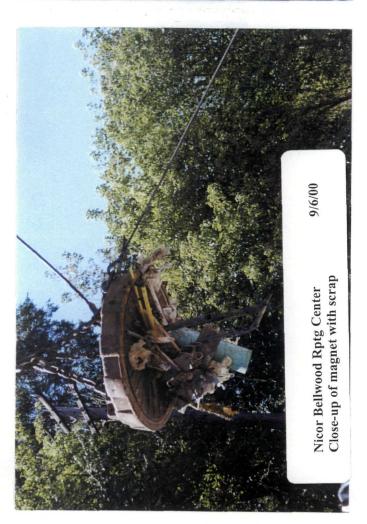












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Newton County La 'f'' 2266 E. 500 S., Brook, IN 47.\_\_ Tel: (219) 394-2808

001274 HUFF AND HUFF, INC.

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# 3020 Old Ranch Pkwy., Ste. 220, Seal Beach, CA 90740-2751 Corporate Headquarters: 562/430-6262 Local Branch: Toll Free 800 / Baker 12

RENTAL AGREEMENT 370864

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# Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site Information	
Site name:	Bellwood Reporting Center: Pit
Site location:	615 Eastern Ave. Bellwood, IL 60104
Site contact and phone no:	Mike Henderson (708) 544-5707
2. Background	
0.010 mg/m <sup>3</sup> with the use of a Jerome vapors were identified in a pit in the Stor with a gravel bottom. A four-inch diame The gas line turns 90 degrees and exits smaller line runs horizontally through the	ng Center (Bellwood) identified mercury vapors above mercury vapor detector (Jerome Meter). The mercury reroom Building. The pit is approximately 2' X 2' X 2', eter natural gas line runs vertically through the dry well. the pit horizontally near the base of the pit. A second e pit, from east-to-west.
3. Initial Site Visit	
Date of initial site visit: Huff & Huff personnel on site:	12/28/00 Lisa Paulson & Darren Greving
No. of pits:	1
Description of pit: 2' X 2' dry well, approximately 2' deep	o, with gravel floor.
Photographs attached:	Yes No No
Screening of pit:	Yes No No
Jerome Meter readings (mg Hg/m³): 0.109 mgHg/m³ (inside pit with cover)	
4. Decontamination Activities	
Date of Decontamination Activity: Huff & Huff personnel on site: Level of Personal Protective Equipment:	02/06/01 James E. Huff Jose Gonzalez
Level of reisonal Protective Equipment:	C

### 4. Decontamination Activities (continued)

Jerome Meter readings before cleaning (mg Hg/ m<sup>3</sup>)

Covered: 0.013 0.014 0.013

Uncovered: 0.009 0.008

## Description of segregation activities:

Upon arrival and removal of top cover, observed floor of the pit had been covered with concrete. At 9:28 AM, the pit walls, floor, crevices, and piping were sprayed with approximately two-gallons of mercury decontamination solution diluted with equal parts of water. Two other applications were added at 20-minute intervals. At 10:30 AM, the cover was placed on the pit and the pit steam injected for 25 minutes, with periodic water removal with a wet vac. The pit wall, floor, crevices, and piping were then high pressure washed, rinsed and the accumulated liquid vacuumed out of the pit. The liquid removed was placed in one 55-gallon drums for disposal. The pit was allowed to dry overnight.

## Final Mercury Vapor Readings

02/07/01 (uncovered, inside pit) (mg Hg/m <sup>3</sup> )	0.000	0.000	0.000		
				0.000	0.000

#### 5. Additional Comments

Subsequent to the pit cleaning, Paul Lear of the IT Group (IT) indicated that IT had previously cleaned this pit, hand shoveled out the gravel, and poured the concrete floor in the pit. No soil samples were collected by IT prior to pouring the concrete in the pit.

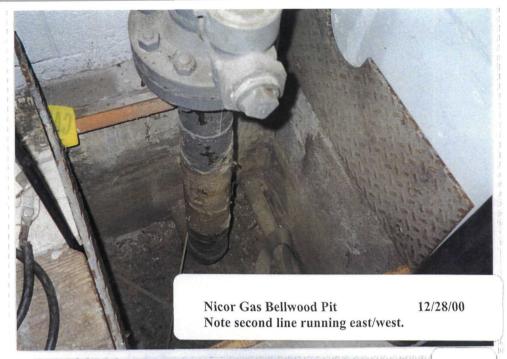
#### 6. Status

Final Jerome Meter readings achieve objective (<0.010 mg Hg/m<sup>3</sup>).

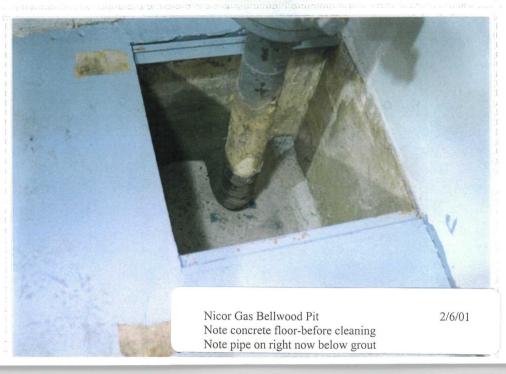
Work complete. No follow up required.

N/A- Not Applicable

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# Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site information	
Site name:	Belvidere Reporting Center
Site location:	826 Locust St. Belvidere, IL 61008
Site contact and phone no:	Steve Martin (630) 629-2500
2. Initial Site Visit	
Date of initial site visit: Huff & Huff personnel on site:	11/30/00 Lisa Paulson
No. of scrap piles: Scrap contained in: Box owner: Box ID no. Ground surface beneath scrap:	l Box ☑ Concrete bin ☐ On the ground ☐ not recorded none Asphalt ☐ Gravel ☐ Concrete ☐ Soil ☑
Description of scrap: Two boxes were present (Box 1 and Boxerap consisted of small metal pieces as	ox 2); however, scrap was present in Box 1 only. The nd regulators.
Photographs attached:	Yes 🛛 No 🗌
Screening of scrap: Jerome Meter readings (mg Hg/ m³) Scrap in Box 1 (und Box 2 (und	•
3. Scrap Metal Segregation	
First Segregation Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	12/04/00 Homa Rizvi D; upgraded to C during cleaning of Box 1.
Location where scrap was sorted: Figure attached:	Site Scrap yard Yes No

3. Scrap Metal Segregation (continued)								
Screening before segregation: Jerome Meter readings (mg Hg/ m³) Scrap in Box 1 (uncovered):	Yes ⊠ N 0.000	0.000	0.000	0.000	0.000	0.000		
Description of segregation activities:  An empty Behr lugger box was delivered Plastic sheeting was spread onto the growth of the scrap was sorted on the plastic sheet one mercury-type regulator was identified.	ound surface eting and th	e betwee nen transf	n the Box erred into	the lugg	ne lugger			
No. of Hg-type regulators: Location shipped to/via Manifests attached:	l Heritage Yes ⊠		age					
Volume of scrap: No. of scrap boxes shipped off-site: Location shipped to/via: Shipping papers attached:	2 cubic y 1 box Behr via Yes [	Behr_	one requi	red)				
Photographs attached:	Yes 🔀	No 🗌						
Screening after segregation: Jerome Meter readings (mg Hg/ m³) Box 1, empty Soil beneath Box 1 Soil beneath Box 2 Scrap in lugger box shipped to Behr	(covered)	0.005 0.008 0.000	0.01: 0.01: 0.00: 0.00:	2 0	012 000	0.013		
Second Segregation Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:			<b>5</b> 75.					
Location where scrap was sorted: Figure attached:	Site ☐ So Yes ☑ N		⊠ Behr					
Screening before segregation:	Yes 🗌 N	lo 🖂						
Description of segregation activities:  The box containing the scrap metal was Plastic sheeting was spread onto the asp The scrap was placed onto the plastic at No mercury-type regulators or mercury	halt groun nd sorted u	d surface sing a ma	in front ong in front of the cr	of the box	x.			

The empty box was screened and the sorted scrap was placed back into the box.

3. Scrap Metal Segre	gation (continued	)				
No. of Hg-type regulat	ors:	0				
Photographs attached:		Yes [	] No ⊠			
	_	vered):	0.000 0.000	0.000 0.000	0.000	0.000
4. Sample Collection	and Analysis			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Soil samples collected: Date of sample collected Collected by: Figure attached:		12/04/ Homa		Coll	ected at Bel	videre
Analytical laboratory:		Test A	America			
Sample ID	Total Hg, mg/kg	g (dry w	t)			
Box 1 Box 2	71.4 0.37					
5. Additional Commo	ents				<u> </u>	
The scrap initially widentified. The segreg mixed with a one-haregulators were identifiand the soil also was sa	ated scrap was shi If full box from ied. The empty bo	pped to Rockfo exes and	Behr and re	esorted a se g Center.	econd time b No additi	onal Hg-type

## 6. Status

One mercury-type regulator was identified.

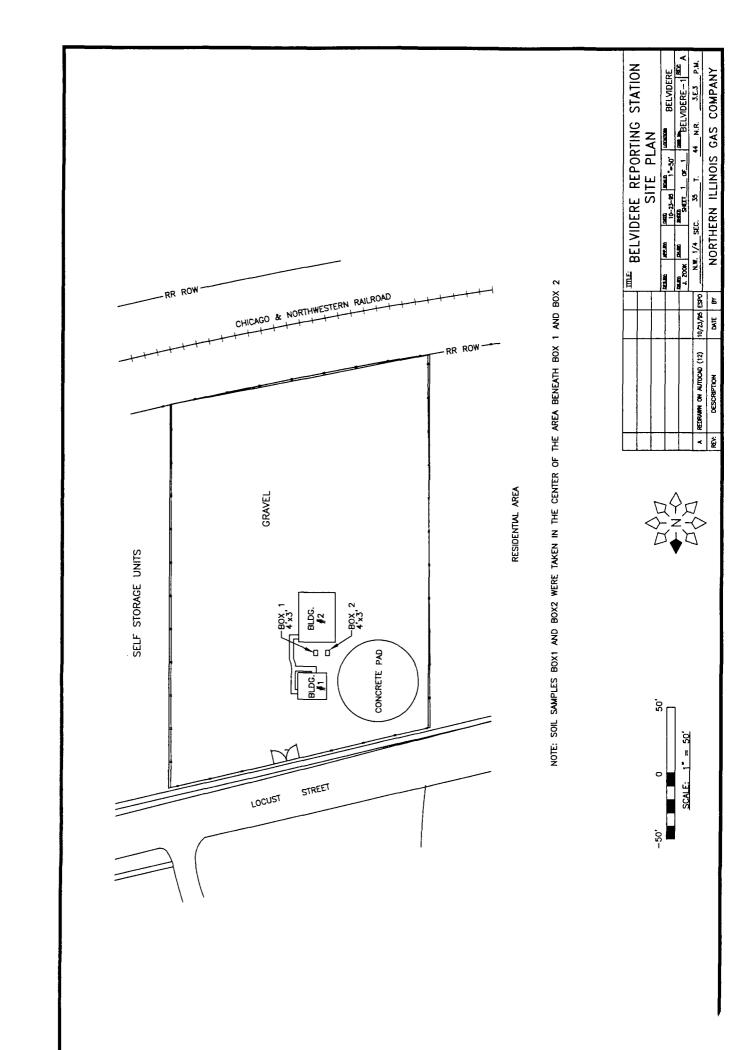
One soil Jerome Meter reading did not achieve objective (0.012, mg Hg/m<sup>3</sup> vs. 0.010 mg Hg/m<sup>3</sup>).

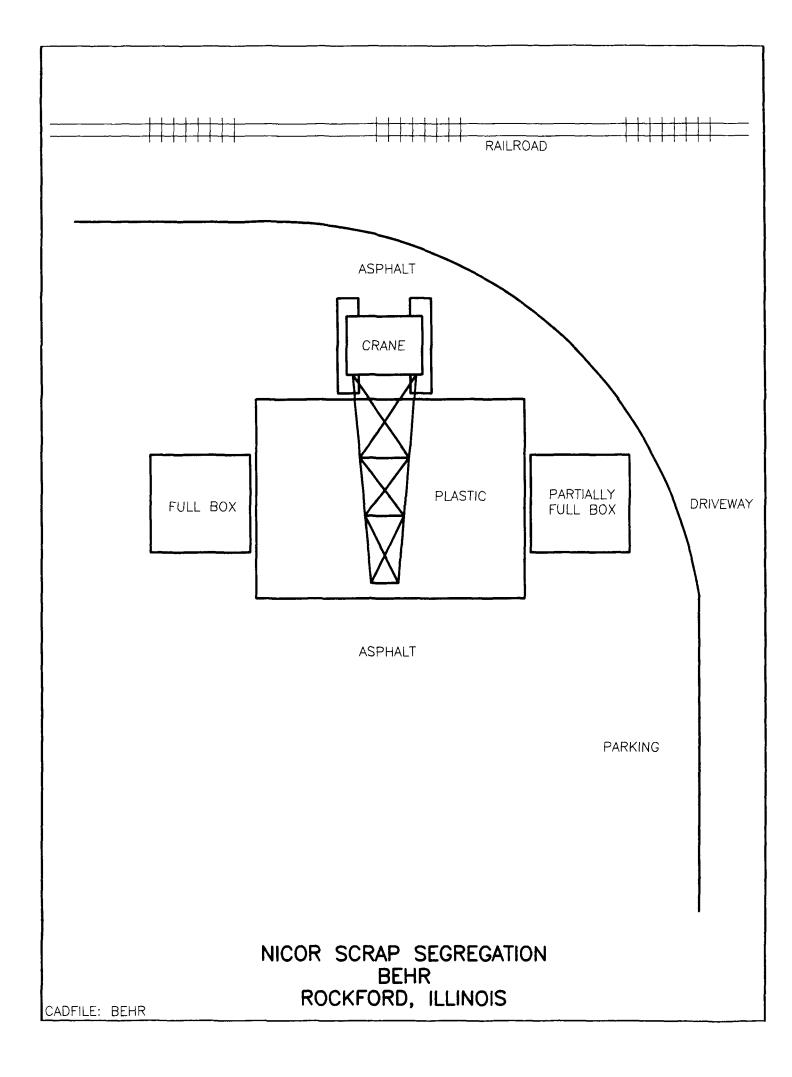
A soil sample result did not achieve objective (71.4 mg/kg vs. 61 mg/kg; construction worker Tier 1 Objective).

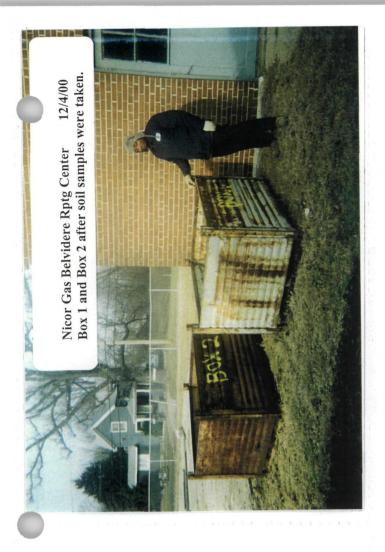
The soil will be excavated in April 2001, and followup soil sampling will be conducted at that time. Approximately 15 cubic yards of soil will be excavated and disposed of.

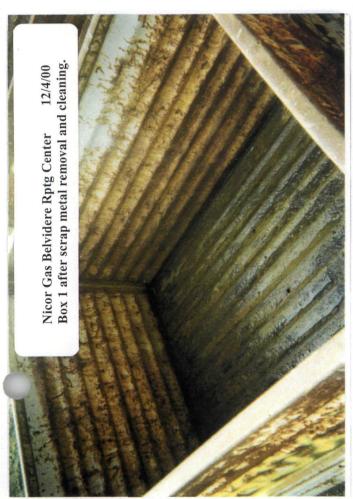
N/A – Not Applicable

 $E:\lDOC\lnorworder(Mercury)\lnorworder(Mercury\lnorworder(Mercury\lnorworder(Mercury\lnorworder(Mercury\lnorworder(Mercury\lnorworder(Mercury\lnorworder(Mercury\lnorworder(Mercury\lnorworder(Mercury\lnorworder(Mercury\lnorworder(Mercury\lnorworder(Mercury\lnorworder(Mercury\lnorworder(Mercury\lnorworder(Mercury\lnorworder(Mercury\lnorworder(Mercury)\lnorworder(Mercury)\lnorworder(Mercury\lnorworder(Mercury\lnorworder(Mercury\lnorworder(Mercury\lnorworder(Mercury\lnorworder(Mercury\lnorworder(Mercury\lnorworder(Mercury\lnorworder(Mercury\lnorworder(Mercury)$ 

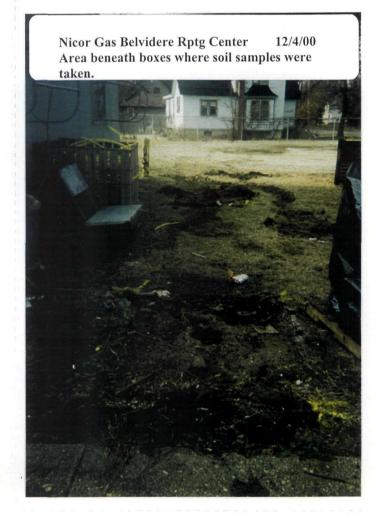


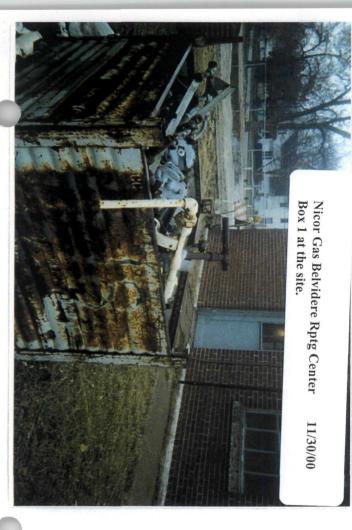


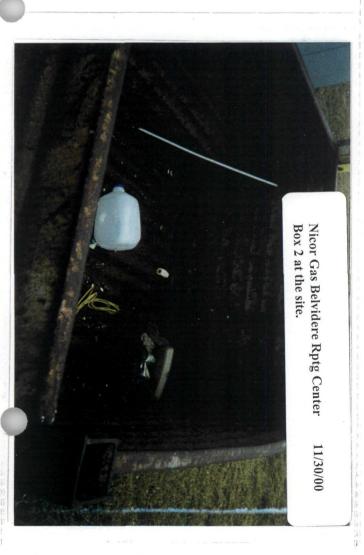












P.O. BOX 19276 ANU SPECIAL WAS LE State Form LPC 62 6/81 IL632-0610 \* EPA Fofm 8700-22 (Rev. 6-89) LEASE TYPE Form Approved, QMB No. 2050-0039 (Form designed for use on eiths (12-pltch) typewriter.) UNIFORM HAZARDOUS 1. Generator's US EPA ID No. Manifest Document No 2. Page 1 Information in the shaded areas is required by Federal law, but is required tilinois law. **WASTE MANIFEST** 03011 TT.D000012328 3. Generator's Name and Malling Address Location If Different 826 LOCUST NICOR BELVIDERE, IL. 61008 Génerator's [ 1844 FERRY ROAD 10 Number 10 4. \*24 HOUR EMERGENCT AND SPILL ASSISTANCE NUMBERS\* C. Virensporter of a 12 Co. 12 (12 Co. 12 Co US EPA ID Number 5. Transporter 1 Company Name HERITAGE TRANSPORT, L.L.C., D. Transporter & Phone 121 71 981 HRE IND058484114 Transporter's 7. Transporter 2 Company Name US EPA ID Number B. F. Transporter's Phote Designated Facility Name and Site Address
 HERITAGE ENVIRONMENTAL SERVICES, L.L.C. US EPA ID Number G. Facility's IL 0 379 116 2 0 0 0 15330 CANAL BANK ROAD LEMONT, IL. 60439 H. Facility's Phone (630)739-1151 ILD085349264 12. Containers 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 13. 14. Unit  $\tilde{m} \sim 1$ Total Waste No. Туре No. Quantity Wt/Vol , EPA HW Number 235# RQ, HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, D009 E PGIII (HIGH MERCURY DEBRIS) ERG#171 Strange Strange N 0.0.2 D.F. 0.0, 1, 0, 0 E EPA HW Number b. R Special Co ELEPA HW NU 0 C. R WEPA HW Want d. 15. Special Handling Instructions and Additional Information 24 HOUR EMERGENCY PHONE # 1-800-48-SPILL CONTACT: INFOTRAK 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment, OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can aff Date Printed/Typed Name Month Day Ye 1 2 0 1 0 MIKE SPENCER AS AGENT FOR NICOR 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Month Day MIKE SPENCER 1 2 0 1 0 18. Transporter 2 Acknowledgement of Receipt of Materials Date Month Day Printed/Typed Name Signature E 19. Discrepancy Indication Space eplaces IL9293568 Č 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 1 Date

Agency is authorized to require, pursuant to Minois Refrised Statute, 1989, Chapter 11/1/2, Section 1004 and 1021, that this information be authormation may result in a civil penalty against the owner or operator not to expedit \$25,000 per day of violation. Feletication of the information and imprisonment up to 5 years. This form the been approved by the Forms Management Center.

Printed/Typed Name

/Ich

Month Day

atted to the Ace

nitted to the Agency, Failure in may result in a fine up

P.O. HOX 19276

SPHINGHELD, ILLINOIS 62/94-92/6 (217) /82-6/61 AND SPECIAL WASTE State Form LPC 62 8/81 11532-0610 PLEASE TYPE (Form designed for use on eitte (12-pitch) typewriter.) EPA Form 8700-22 (Rev. 6-89) Form Approved, OMB No. 2050-0039 Manifest Document No. 2. Page 1 Information in the shaded areas is not required by Federal law, but is required by Illinois law. 1. Generator's US EPA ID No. UNIFORM HAZARDOUS WASTE MANIFEST 000012328 A. Illinois Manifest Document Number PAID 3. Generator's Name and Mailing Address Nicor 9303067 B2Co Locust Belvidere, IL. 61008 IF APPLICABLE 1844 Ferry Road B. Generator's IL AMBERVILLE, TL. COS 40

4. 24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS 630-983-8676 1D Number 101017101050101219 Transporter's US EPA ID Number Transporter 1 Company Name ID Number Heritage Transport. LL IND 058484114 D. Transporter's Phone (3 7. Transporter 2 Company Name US EPA ID Number Transporter's **ID Number** 9. Designated Facility Name and Site Address
Heritage Environmental Services, L.L.C. F. Transporter's Phone ( US EPA ID Number 10. G. Facility's IL 1D Number 1013 111 62 010 017 15330 Canal Bank Road Lemont, IL. 60439 H. Facility's Phone (30) 739-1151 IILD 085349260 12. Containers 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 13 14. I. Waste No. Total Unit Type Quantity DOO 9 a. RQ, worte Mercury, 8, UN 2809, PGIII G E ERG#171 N Ε EPA HW Number b. R EPA HW Number c. 0 R EPA HW Number d. K. Handling Codes for Wastes Listed Above In Item #14 J. Additional Description for Materials Listed Above 15. Special Handling Instructions and Additional Information 24 Hour Emergency Phone #! 1-800-48-SPILL Contact: Infotrak 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Date As Agent for Day Year Dencer 0500 17. Transporter 1 Acknowledgement of Receipt of Materials Date Day Year Printed/Typed Name Mike Dencer 18. Transporter 2 Acknowledgement of Receipt of Materials Date Printed/Typed Name Manth Day Year Signature Discrepancy Indication Space ACI 20. Facility Owner or Operator: Pertification of receipt of hezardous materials covered by this manifest except Date as noted h item Month Day Printed/Typed Nam 20601

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2 Section 1004 and 1021, that this information this information may result in a civil penalty against the owner or offerator not to exceed \$25,000 per day of violation. Faleification of this per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

LABORATORY COMMENTS: LALL COMPLE QC Deliverables (Batch QC) Level 3 Level 2 REMARKS None Other: Project Name: NICOR - BELVIDERE is this work being conducted for regulatory purposes? To assist us in using the proper analytical methods, Bottles Supplied by TestAmerical Method of Shipment: Rec Lab Temp: Site/Location ID: BELVIDERE Compliance Monitoring Time X', Chustody Seals: F×7 Invoice To: H73/14 Analyze For. 11.E.F. Report To: Quote #: Time Date 21/8 0 Col veleg Date: Fax 708/579-3526 Address: FIZ IN, RURCINGTON AVE, #1170 Other (Specify) Preservation & # of Containers Phone: 630-289-3100 Fax: 630-289-5445 Client #: auoi lethanol OSZH Bale 100 Time 45 Received By: Received By Received By HOB Client Name HUFF B WIFF, INC IOI <sup>E</sup>ONI Matrix Bartlett Division 850 West Bartlett Road Bartlett, IL 60103 Specify Other 4>6t-225 14. 1. O. J. 35 PiloS/lioS - S GW - Groundwater Studge DW - Drinking Water A GRANGE Time: Field Fittered G = Grab, C = Composite 5 5 Date: fime Sampled HDM4 ひって ひずる Test/America Date Sampled Sampler Name: (Print Name) City/State/Zip Code: Project Manager: Telephone Number: Sampler Signature: Rush (surcharges may apply) Date Needed: 3 dluy Fax Results: (Y) N Special instructions: Refinquished By: Relinquished By: Standard SAMPLE ID



Homa Rizvi HUFF & HUFF INC. 512 West Burlington Suite 100 LaGrange, IL 60525 12/29/2000

Job Number: 00.13966

IEPA Cert. No.: 100221 WDNR Cert. No.: 999447130

Enclosed is the Analytical and Quality Control reports for the following samples submitted to Bartlett Division of TestAmerica for analysis.

Project Description: Nicor-Belvidere R.C.

Sample	Sample Description	Date	Date
Number		Taken	Received
611511	BOX 1	12/04/2000	12/21/2000
611512	BOX 2	12/04/2000	12/21/2000

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. These results apply only to the samples analyzed. Reproduction of this report only in whole is permitted. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Procedures used follow TestAmerica Standard Operating Procedures which reference the methods listed on your report. Should you have questions regarding procedures or results, please do not hesitate to call. TestAmerica has been pleased to provide these analytical services for you.

This Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Approved by:

Project Manager

Page 1 of 6



# ANALYTICAL REPORT

Homa Rizvi

HUFF & HUFF INC.

512 West Burlington

Suite 100

LaGrange, IL 60525

12/29/2000

Sample No. : 611511

Job No.: 00.13966

Sample Description:

BOX 1

Nicor-Belvidere R.C.

Date Taken: 12/04/2000

Time Taken:

Date Received: 12/21/2000 Time Received: 16:45

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
pH, Non-Aqueous	8.09		units	0.10	12/27/2000	jht	SW 9045B
Solids, Total	86.8		ફ	0.1	12/26/2000	jht	SM 2540
Mercury, CVAA	71.4		mg/kg dw	0.046	12/28/2000	efw2	SW 7471A



# ANALYTICAL REPORT

Homa Rizvi HUFF & HUFF INC. 512 West Burlington

Suite 100

LaGrange, IL 60525

12/29/2000

Sample No. : 611512

Job No.: 00.13966

Sample Description:

BOX 2

Nicor-Belvidere R.C.

Date Taken: 12/04/2000 Time Taken:

Date Received: 12/21/2000 Time Received: 16:45

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
pH, Non-Aqueous	8.54		units	0.10	12/27/2000	jht	SW 9045B
Solids, Total	92.4		%	0.1	12/26/2000	jht	SM 2540
Mercury, CVAA	0.37		mg/kg dw	0.043	12/28/2000	efw2	SW 7471A



Homa Rizvi HUFF & HUFF INC. 512 West Burlington Suite 100 LaGrange, IL 60525 12/29/2000

Job Number: 00.13966

IEPA Cert. No.: 100221 WDNR Cert. No.: 999447130

Project Description: Nicor-Belvidere R.C.

#### CASE NARRATIVE

No analytical exceptions were noted outside of routine method protocols.

Page 4 of 6



Less than; When appearing in the results column indicates the analyte was not detected at or

#### KEY TO ABBREVIATIONS and METHOD REFERENCES

		above the reported value.	
mg/L	:	Concentration in units of milligrams of analyte per liter of sample. aqueous samples. Can also be expressed as parts per million (ppm).	Measurement used for

Concentration in units of micrograms of analyte per gram of sample. Measurement used for non-aqueous samples. Can also be expressed as parts per million (ppm) or mg/Kg.

ug/L Concentration in units of micrograms of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per billion (ppb).

Concentration in units of micrograms of analyte per kilogram of sample. Measurement used for ug/Kg non-aqueous samples. Can also be expressed as parts per billion (ppb).

TCLP These initials appearing in front of an analyte name indicate that the Toxicity Characteristic Leaching Procedure (TCLP) was performed for this test.

These initials are the abbreviation for surrogate. Surrogates are compounds that are chemically Surr: similar to the compounds of interest. They are part of the method quality control requirements.

Percent: To convert ppm to %, divide the result by 10,000. To convert % to ppm, multiply the result by 10,000.

about the reported realist

Indicates analysis was performed using Inductively Coupled Plasma Spectroscopy.

AΑ Indicates analysis was performed using Atomic Absorption Spectroscopy.

**GFAA** Indicates analysis was performed using Graphite Furnace Atomic Absorption Spectroscopy.

PQL Practical Quantitation Limit; the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

#### Method References

ug/g

"American Society for Testing Materials" ASTM

EPA "Methods for Chemical Analysis of Water and Wastes", USEPA, EPA 600/4-79-020, Revised March 1983.

EPA "Test Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", EPA 600/4-82-057, July 1982.

SDWA "Methods for the Determination of Organic Compounds in Finished Drinking Water and Raw Source Water", USEPA, September 1986.

SDWA "Methods for the Determination of Metals in Environmental Samples", Supplement I USEPA, EPA-600/R-94/111, May 1994.

SM "Standard Methods for the Examination of Water and Wastewater", APHA-AWWA-WPCF, 18th Edition.

SW "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", USEPA, SW-846.

Page 5 of 6



# ATTACHMENT: CHAIN OF CUSTODY

Following are the chain of custody documents associated with the samples pertaining to this report.

# Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site Information							
Site name:	Bloomington Reporting Center						
Site location:	1305 Martin Luther King Dr. Bloomington, IL 61701						
Site contact and phone no:	Bob Purchase (815) 740-4100						
2. Initial Site Visit							
Date of initial site visit: Huff & Huff personnel on site:	10/26/00 Homa Rizvi						
No. of scrap piles: Scrap contained in: Box owner: Box ID no. Ground surface beneath scrap:	2 Box ⊠ Concrete bin ⊠ On the ground □ Morris Tick M-10 Asphalt ⊠ Gravel □ Concrete ⊠ Soil □						
Description of scrap: The lugger box contained a small pile of the concrete bin contained spring-load	of spring-loaded regulators and other scrap metal.  ed regulators and other scrap metal.						
Photographs attached:	Yes 🔀 No 🗌						
Screening of scrap:  Jerome Meter readings (mg Hg/ m³)  Lugger box scrap (uncovered):  Concrete bin scrap (uncovered):	Yes No \[ 0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.006  0.000  0.006  0.000  0.000  0.006  0.000  0.000  0.006  0.000 \q						
3. Scrap Metal Segregation							
Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	11/02/00 Homa Rizvi :: D						
Location where scrap was sorted: Figure attached:	Site ⊠ Scrap yard □ Yes ⊠ No □						

3. Scrap Metal Segregation (continued	)						
Screening before segregation: Jerome Meter readings (mg Hg/ m³)	Yes No No						
Lugger box scrap (uncovered): Concrete bin scrap (uncovered):	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	
Description of segregation activities:  A rolloff box was delivered to the site and lined with plastic sheeting (box no. 200333).  Plastic sheeting was spread onto the asphalt ground surface between the scrap piles (bin and box) and the rolloff box.  The scrap was sorted on the plastic sheeting and transferred into the rolloff box, by bobcat excavator and by hand.  One mercury-type regulator identified and placed into a 55 gallon drum.  No mercury beads were identified.							
No. of Hg-type regulators: Location shipped to/via: Manifests attached:	l Heritage Yes ⊠	e via Herita No 🗌	age				
Volume of scrap: No. of scrap boxes shipped off-site: Location shipped to/via: Shipping papers attached:	20 cubic yards 1 rolloff box (no. 200333) United Scrap via Ozinga Transportation Yes ⊠ No □						
Photographs attached:	Yes 🗌	No 🖂					
Screening after segregation:  Jerome Meter readings (mg Hg/ m³)  Ground beneath sort area (covered):	Yes ⊠ 0.000	0.000	0.000	0.000	0.000	0.000	
Scrap in box shipped off-site (covered):	0.000	0.000	0.000	0.000	0.000	0.000	
4. Sample Collection and Analysis							
Soil samples collected:	Yes 🗌	No 🖂					
5. Additional Comments	· · · · · · · · · · · · · · · · · · ·					<del></del>	
None							

# 6. Status

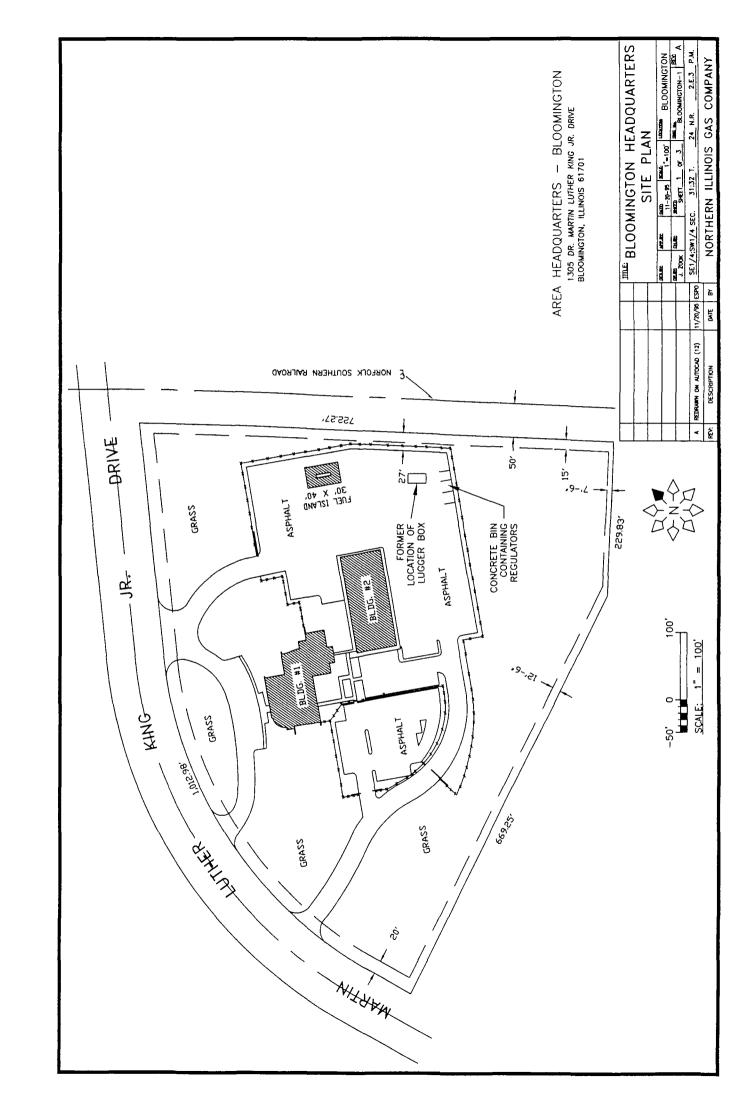
One mercury-type regulator identified.

Final Jerome Meter readings achieve objective (<0.010 mg Hg/m<sup>3</sup>).

Work complete. No follow up required.

N/A – Not Applicable

 $E:\lDOC\lnoremath{\text{Nicor}\location}. \\ \lDoC\lnoremath{\text{Nicor}\location}. \\ \lDoC\lnoremath{\text{Nicor}\loc$ 



# BLOOMINGTON REPORTING CENTER October 26, 2000





D:\Photos\NICOR\Mercury\reporting centers\Bloomington.doc



P.O. BOX 10276 SPRINGFIELD, ILLINOIS 62794-92/6 (217) 782-6761

FOR SHIPMENT OF HAZARDO-AND SPECIAL WASTE

	EASE TYPE (Form designed for use on elite	(12-birch) (Abantitat )	EPA Form 8700-	(			TOOL ONLY	No. 2050	1.0039		
<b></b>	UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US		Manifusi Document No. 94408		ign 1	Information required to Illinois lav	by Feder	n shadod areas i al law, but is requi-		
	3. Generator's Name and Mailing Address OHOUSE THEREY RELATE MODELLEY IN FIGURE 1877 IN ACCORDS 4. *24 HOUR EMERGENCY AND SPILL ASSE	A. Illinois Manifest Document Numbor  IL 9294498 FEE PAID  IF APPLICA  B. Generator's IL [1 3 0 3 0 5 ] 9  ID Number   1 1 1 3 0 1 4 7									
	5. Transporter 1 Company Name  [http://doi.org/10.1809/ph/10.1809/	(विकास स्थान प्राप्त । विकास व	US EPA ID Number  ID Number  D. Transporter's Phone (1)								
	Transporter 2 Company Name     Designated Facility Name and Site Address	8.	US EPA ID Nu		ID	insporte Numbe insporte		 e (	)		
	HEFT FAST ENVIOLENCE IN CALSE 150-90 LARGE HANK FRANK	00 11 / 10 / 10		ID		<u> 193</u>					
	LEMINI II SOUSS	ļ.	H notastava	5. <b>a</b>	H. Fa	cility's F	hone (	(630	FEE PAID  IF APPLICA  A 1 4 4 7 19  A 1 4 4 7 19  A 1 1 4 7 19  A 1 1 4 7 19  A 1 1 1 4 7 19  A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	11. US DOT Description (Including Proper Ship	oping Name, Hazard	Class, and ID Number)	12. Conta		1 To	3. otal antity	14. Unit Wt/Vol	I. Waste No		
G E N	a. ;; RQ, HAZARDOUS WASTE, SOL PGIII (HIGH MERCURY DE		9, NA3077, RG#171								
E R A	b, RQ, HAZARDOUS WASTE, LIQ			0.0.2	C· F	OL OL	<u>0: 01-2</u>	У	1		
T O	PGIII (MERCURY CLEANIN		ERG#171	0.0.2	D: FI	ام ام	مىلىم	G	EPA HW Num		
R					,				SPA HW Num		
	d.								EFATIVITOIN		
	J. Additional Description for Materials Listed Al	bove				ndling C tem #1		Waste	s Listed Above		
	a.) 41725-72 YARD b.) 41725-9	FACILI:	ry Waste		·						
L											
1		15. Special Handling Instructions and Additional Information  24. HOUR EMERGENITY PHONE # 1-800-48-3FTTT CONTACT: 1745011888									
	, , ,		PHOLOSMIYATE	sapita dak							
	16. GENERATOR'S CERTIFICATION: I hereby diproper shipping name and are classifled, pack according to applicable international and natio	eclare that the content ted, marked, and label and government regular	ts of this consignment are filed, and are in all respects ations.	ully and accurately in proper condition	for trai	sport by	nighway	ores I h	ave determined		
	24 HOUR FINERISEMLY PUBLIC #  16. GENERATOR'S CERTIFICATION: I hereby diproper shipping name and are classifled, pack	eclare that the content ted, marked, and label at I have a program in the lected the practicable vironment; OR, if I am	is of this consignment are fed, and are in all respects ations.  place to reduce the volume method of treatment, stora a small quantity generator,	ully and accurately in proper condition e and toxicity of wage, or disposal cu	of trainable for training training in the second se	isport by inerated available	to the dec	iich min	ste generation a		
<b>\</b>	16. GENERATOR'S CERTIFICATION: I hereby diproper shipping name and are classifled, pack according to applicable international and nation if I am a large quantity generator, I certify that be economically practicable and that I have so and future threat to human health and the emselect the best waste management method the Printed/Typed Name	eclare that the content ted, marked, and label at I have a program in the lected the practicable vironment; OR, if I am	is of this consignment are fed, and are in all respects ations.  place to reduce the volume method of treatment, stora a small quantity generator,	ully and accurately in proper condition e and toxicity of wage, or disposal cu	of trainable for training training in the second se	isport by inerated available	to the dec	iich min	imizes the preso ste generation a Date Month Day		
TA	16. GENERATOR'S CERTIFICATION: I hereby diproper shipping name and are classifled, pack according to applicable international and nation if I am a large quantity generator, I certify that be economically practicable and that I have suit and future threat to human health and the enselect the best waste management method the Printed/Typed Name  MIKE SPENCER AS AGENT  17. Transporter 1 Acknowledgement of Receip	eclare that the content ted, marked, and laber at I have a program in elected the practicable vironment; OR, if I am at is available to me a	is of this consignment are fied, and are in all respects ations.  place to reduce the volume method of treatment, store a small quantity generator, and that I can afford.	ully and accurately in proper condition e and toxicity of wage, or disposal cu	of trainable for training training in the second se	isport by inerated available	to the dec	iich min	imizes the preseste generation a  Date  Month Day  1 2 0 4  Date		
TRAN	16. GENERATOR'S CERTIFICATION: I hereby deproper shipping name and are classified, pack according to applicable international and natio if I am a large quantity generator, I certify the be economically practicable and that I have so and future threat to human health and the enselect the best waste management method the Printed/Typed Name  MIKE SPENCER AS AGENT  17. Transporter 1 Acknowledgement of Receip Printed/Typed Name	eclare that the content ted, marked, and laber at I have a program in elected the practicable vironment; OR, if I am at is available to me a	is of this consignment are filed, and are in all respects ations.  place to reduce the volume method of treatment, stora a small quantity generator, not that I can afford,	ully and accurately in proper condition e and toxicity of wage, or disposal cu	of trainable for training training in the second se	isport by inerated available	to the dec	iich min	Date Month Day  Date Month Day  Date Month Day		
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P.O. BOX 19276 SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761

State Form LPC 82 6/81 IL532-0610

FOR SHIPMENT OF HAZARDOL AND SPECIAL WASTE

PL	EASE TYPE (Form designed for use on ellia	12 pilch) typewritor.)	EPA Form 6	700-22 (Rev.	6-89)	F	nım Appro	red. OMB	No. 2050-	1039	
1	UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's U	US EPA ID No. XXI42596	Man Docum 9440	nt No.		nga 1 of 1	Informatio required t Illinois lav	n in the ly Federal /.	shaded arens in law, but is require	
	The state of the s	1305 West M Bloomington	tion if Different IARTIN LUTHER I, IL. 61701	KING DR	RIVE	B. Go	92 enorator's Number	1414	109		
	1. *24 HOUR EMERGENCY AND SPILL ASSISTS.      5. Transporter 1. Company Name     1. **Company Name     1.		C. Transporter's ID Number ID Number D. Transporter's Phone (					* 3 1 <del>(31/</del>	- 레크 라크 (6 - 10 <del>) ) (6 - 1 - 12 - 13</del> )		
$\left  \cdot \right $	7. Transporter 2 Company Name	US EPA I			D	Number					
3. Designated Facility Name and Site Address						A. Facility's IL () (3 1 1 6 7 0 0 ID Number					
	1 FMHH4 , 11 60 F/87		0.000583					<u>`</u> _	<del> </del>	789-1151	
G	11. US DOT Description (Including Proper Ship			er) 1	2. Conta No.	Type	10 To Qua		14, Unit Wt/Val	I. Waste No.	
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	a.) 41725-7 3×55 b.) 41725-8 c.) 41725-7 3 55 d.) 41725-8		ity waste			In	Item #14	Aces Idi		Listed Above	
	15. Special Handling Instructions and Additiona 24 日间第一时时间5日相位1 中国8日 #		SMILLE CONTAC	): 1M;-ii	IRÓK.						
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<b>V</b>	Printed/Typed Name MIKE SPENCER AS AGENT 1	FOR NICOR	Signature							Month Day	
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RANSP	MIKE SPENCER		Signature	D.	_					1:2:0:4	
0	18. Transporter 2 Acknowledgement of Receipt	of Materials								Dato	
A T E R	Printed/Typed Name		Signature							Month Day	
FACIL	19. Discrepancy Indication Space										
1	20. Facility Owner or Operator: Certification of	receipt of hazardou		this menitor	copt	as)not	ed in ite	n 19.		Date Day	
Ľ	Printed/Typed Nagoria	Statule 1980	Signature Chapter 111 ta: Section	1004 and 1021	their this	Informati	900 00	enitied to	ya Anny	Month Day	
•	his Agency is suthorized to require, presumnt to illinote its information may result in a civil pensity against the er day of violation and impresonment up to 5 years. This form had	owner or operator not been approved by the Fo	to aircent \$25,000 per come Management Center.	lay of violation.	Falmilication	n ur #	- Intermote	un may n	auli in d	fine up to \$50,	

E 582767

21900 South Central Ave. Matteson, IL 60443 (708) 720-6000

WEIGHT(lb)

Ship To:

Shipper:

NITED CHICAGO 14188 P.O. No. PRODUCT DESCRIPTION AMOUNT C.O.D.

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NICOR		WARKE			

LOAD TIMES-**HOURLY** PORTAL TO PORTAL 2 4 ·5 3 Arrive 1200 1515 TIME LOCATION Begin Load End Load (2.0/1 AC Start J. C. Finish Depart 4 Total Total REQUESTED | REASON FOR DELAY TIME MANIFEST NUMBER: LOADER SIGNATURE 117-71-112 OTSI TRAILER TRUCK # OTSI LINER? Y / (N) 7303 **HOW MANY?** UNLOAD TIMES ROLL OFF BOX NUMBERS 2 3 4 5 DROPPED AT CUSTOMER Arrive Begin Unioad 200231 End Unload PICKED UP AT CUSTOMER 200333 D Depart COMMENTS Total REQUESTED TIME REASON FOR DELAY RECEIVER SIGNATURE DRIVER SIGNATURE TRUCK # OTSI TRAILER د بند ند<u>ند بست</u>عم

2ND OFFICE COPY

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# E 582767

21900 South Central Ave. Date 11-2-00 Matteson, IL 60443 (708) 720-6000 Delivery Date \_\_\_\_ NITED STEFL Ship To: P.O. No. Shipper: PRODUCT DESCRIPTION WEIGHT(lb) C.O.D. **AMOUNT** Price LOAD Tax **EMPTY** Total NET SOURCE ADDRESS TICKET NO. IL PONTIAL NICCR COMMITCAL HOURLY LOAD TIMES PORTAL TO PORTAL 3 5 TIME LOCATION Arrive 1200 1515 BUC CAMPLTON Begin Load End Load DIVITIAC Start Finish Depart Total Total REQUESTED | REASON FOR DELAY TIME MANIFEST NUMBER: LOADER SIGNATURE TRUCK # OTSI TRAILER OTSILINER? Y / N HOW MANY? UNLOAD TIMES **ROLL OFF BOX NUMBERS** 4 5 DROPPED Arrive AT CUSTOMER Begin Unload End Unload PICKED UP AT CUSTOMER Depart COMMENTS Total REQUESTED REASON FOR DELAY TIME RECEIVER SIGNATURE TRUCK # OTSI TRAILER DRIVER SIGNATURE

**CUSTOMER COPY** 

# SEE PONTIAC REPORTING CENTER FILE
FOR ORIGINAL.

Metal Buyers and Recyclers

**Weight Ticket** 

FAX 708/780-0510 TEL 708/780-6800

・コン

Date:

Truck / Trailer No.

1545 South Cicero Avenue Cicero, Illinois 60804

NICON DUS Customer Address

11:22 AN 11 08 00 67963 60520 No (1) 49260 No TR 11260 1 DE

POXINA

Driver

Carrier



#### 3020 Old Ranch Pkwy., Ste. 220, Seal Beach, CA 90740-2751 Corporate Headquarters: 562/430-6262 Local Branch: Toll Free 800 / Baker 12

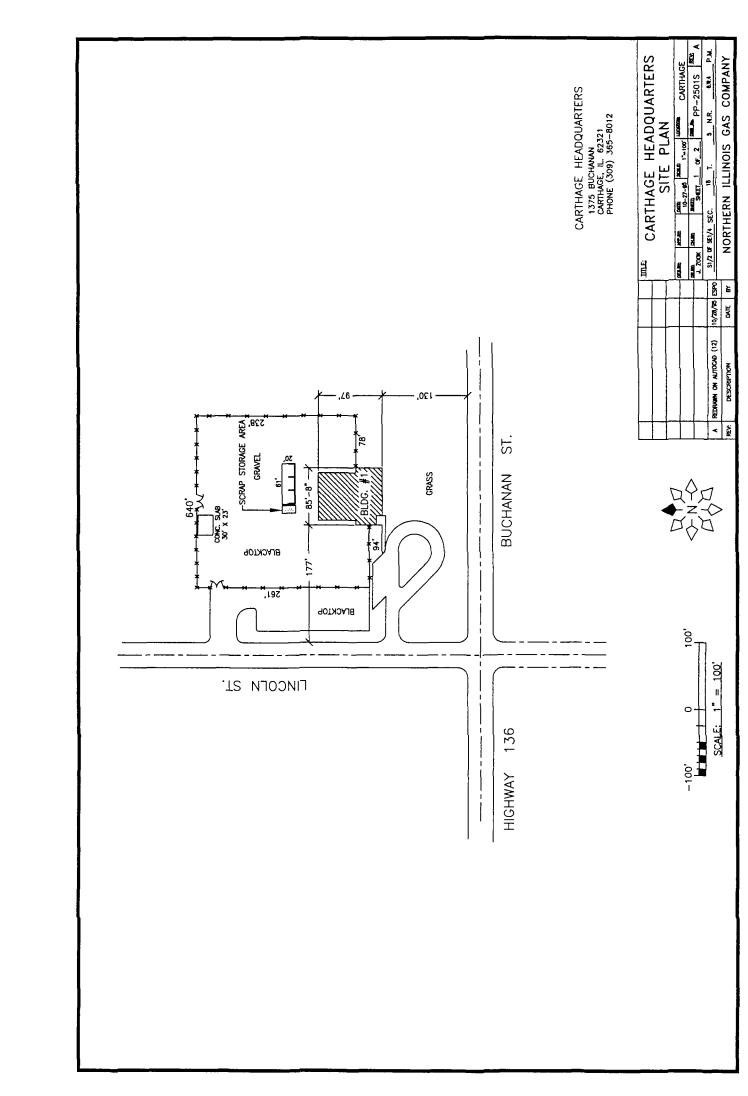
RENTAL AGREEMENT 370859

FOR OFFICE USE ONLY	RENTED TO DZ ING	A	YOUR ORDER NO. Deanne	DATE 16 100
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CUST. NO. 414100	mattesin.	TL	ADDRESS	
BRANCH Chi-63			Bloomingt	STATE
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TO BAKER YARD,	STOP RENT DATE 11-16-1	30		
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2. DAMAGES OR I	MISSING EQUIPMENT OF TANK	(S (S) Y /N DESCRIBE:		
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I HAVE INSTALLED	GUARD RAILS LADDER			- I.
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Lessee will not store	or inject any form of acid or als") in any Baker Tank(s) wit			
which consent may o	r may not be given by Baker n	nanagement.		
	ipped with pressure/vacuum onsent of Baker management		grees not to tamper with o	r adjust such a device
	ed the tank(s) rented pursua e tank(s) are in good condition			by Baker Tanks, Inc.,
acknowledges that in	tank(s) are in good condition	Tand that the installation is	~	
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V Pari	H ~ 1= 11	-1100	COMPA	T TANL
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		- Call brof	<u> </u>	
SCHEDULED DELIV	ERY DATE/TIME ACTUAL	DELIVERY DATE/TIME	DRIVER INITIALS	CUSTOMER INITIALS

# Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site information									
Site name:	Carthage Reporting Center								
Site location:	1373 Buchanan Rd. Carthage, IL 62321								
Site contact and phone no:	Sam Gillett (217) 357-1162								
2. Initial Site Visit									
Date of initial site visit: Huff & Huff personnel on site:	11/23/00 Darren Greving								
No. of scrap piles: Scrap contained in: Box owner: Box ID no: Ground surface beneath scrap:	2 Box ☑ Concrete bin ☐ On the ground ☐ not identified not identified Asphalt ☐ Gravel ☐ Concrete ☒ Soil ☐								
Description of scrap: The boxes contained copper and iron. identified.	The boxes sat on a concrete pad and no regulators were								
Photographs attached:	Yes 🗌 No 🖂								
Screening of scrap:	Yes No No								
Jerome Meter readings (mg Hg/ m³) Scrap boxes (uncovered):	0.000 0.000 0.000 0.000 0.000								
3. Scrap Metal Segregation									
N/A: Scrap pile was not segregated because no mercury-type regulators were identified in pile. The pile was small enough to make this determination based upon a visual screening.									
No. of Hg-type regulators:	0								
Figure attached:	Yes No No								

4. Sample Collection and Analysis
Soil samples collected: Yes \( \sum \) No \( \sum \)
5. Additional Comments
None.
6. Status
No mercury-type regulators identified.
All Jerome Meter readings achieve objective (<0.010 mg Hg/m³).
Work complete. No follow up required.
N/A – Not Applicable
E:\IDOC\Nicor\Mercury\ReportingCenters\SummaryForms\Carthage.doc



# Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site Information	
Site name:	Crestwood Reporting Center
Site location:	4829 W. 135 <sup>th</sup> St Crestwood, IL 60445
Site contact and phone no:	Bob Purchase (815) 740-4100
2. Initial Site Visit	
Date of initial site visit: Huff & Huff personnel on site:	09/02/00 James E. Huff
No. of scrap piles: Scrap contained in: Box owner: Box ID no. Ground surface beneath scrap:	2 Box ☑ Concrete bin ☐ On the ground ☐ Cozzi 1347, 1440 Asphalt ☑ Gravel ☐ Concrete ☐ Soil ☐
Description of scrap: Two 10-cu yd lugger boxes: one full wanne No Hg-type regulators visible.	ith scrap metal, one half-full with scrap metal.
Photographs attached:	Yes 🔀 No 🗌
Screening of scrap: Jerome Meter readings (mg Hg/ m³) Scrap in Box 1440 (east, uncovered): Scrap in Box 1347 (west, uncovered):	Yes ⊠ No ☐  0.000
3. Scrap Metal Segregation	
First Segregation  Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	
Location where scrap was sorted: Figure attached:	Site ⊠ Scrap yard ☐ Yes ☑ No ☐

3. Scrap Metal Segregation (continued	l)		×		·	
Screening before segregation:	Yes 🔲 1	No 🖂				
Description of segregation activities:  A rolloff box was delivered to the s R2512RT).  Plastic sheeting was spread onto the as Baker rolloff box.  The scrap was sorted on or above th rolloff box, using a magnetic crane and Water present in the west box was pum Two mercury-type regulators were identified.  No mercury beads were identified.	sphalt grouse plastic so by hand. ped into a	und surfacesheeting a	ce betwee and then drum for	n the lugg transferre disposal.	ger boxes	and the
No. of Hg-type regulators: Location shipped to/via: Manifests attached:	2 Heritage Yes ⊠	e via Herit No 🗌	tage			
Volume of scrap: No. of scrap boxes shipped off-site: Location shipped to/via: Shipping papers attached:		box (Bak County L		,	Transport	ation
Photographs attached:	Yes 🔀	No 🗌				
Screening after segregation: Jerome Meter readings (mg Hg/ m³) Empty lugger boxes, clean (uncovered): Ground beneath boxes (covered):	Yes \( \sum \) 0.000 0.000	No	0.000 0.000	0.000 0.000	0.000	0.000
Second Segregation Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	12/11/00 Darren C D					
Location where scrap was sorted: Figure attached:	Site X S Yes X	Scrap yard No 🔲				
Screening before segregation:	Yes 🔲 🗎	No 🛛				

Description of segregation activities:  Nicor Gas continued to use the same Cozzi lugger boxes for scrap.  A rolloff box was brought to the site and lined with plastic sheeting (box 279535).  Plastic sheeting was spread onto the asphalt ground surface between the lugger boxes and the rolloff box.  The scrap was sorted on the plastic sheeting and then transferred into the rolloff box, using a bobcat excavator and by hand.  No mercury-type regulators or mercury beads were identified.									
No. of Hg-type regulators:	Hg-type regulators: 0								
Volume of scrap: No. of scrap boxes shipped off-site: Location shipped to/via: Shipping papers attached:	20 cubic yards 1 rolloff box (box 279535) United Scrap via Ozinga Transportation Yes No								
Photographs attached:	Yes 🗌	No 🖂							
Screening after segregation: Jerome Meter readings (mg Hg/ m³) Empty lugger boxes, clean (uncovered): Ground beneath boxes (uncovered):	rered): 0.000 0.000 0.000 0.000 0.								
4. Sample Collection and Analysis						·			
Soil samples collected:	Yes 🗌	No 🖂							
5. Additional Comments Cozzi owned the two lugger boxes at Cres	stwood 7	The boxes	were initi	ally segre	egated at				
Crestwood on 09/06/00. Two Hg-type reto Newton County Landfill on 11/10/00. screened.	gulators w	vere found	. The seg	regated s	crap was				
On 12/11/00, Cozzi came to collect their the boxes. The boxes were re-sorted on 1 was shipped to United Scrap on 12/11/00, screened.	2/11/00.	No Hg-typ	e regulat	ors were	found. Th				

3. Scrap Metal Segregation (continued)

#### 6. Status

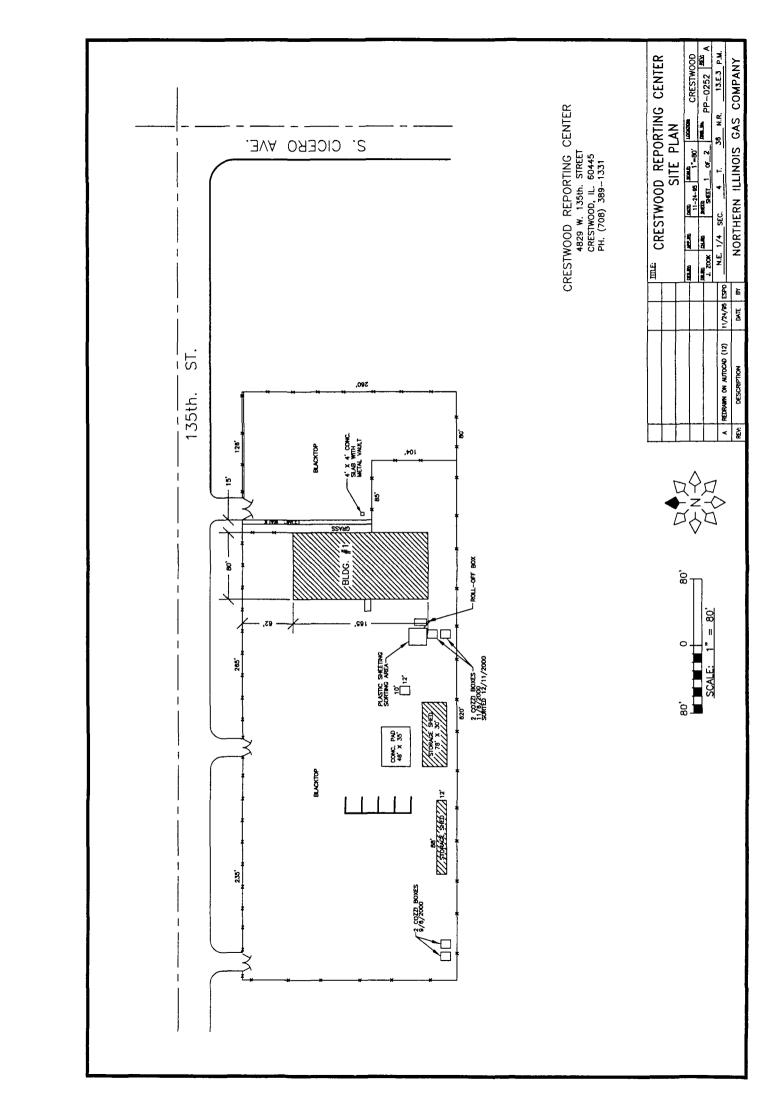
Two mercury-type regulators identified.

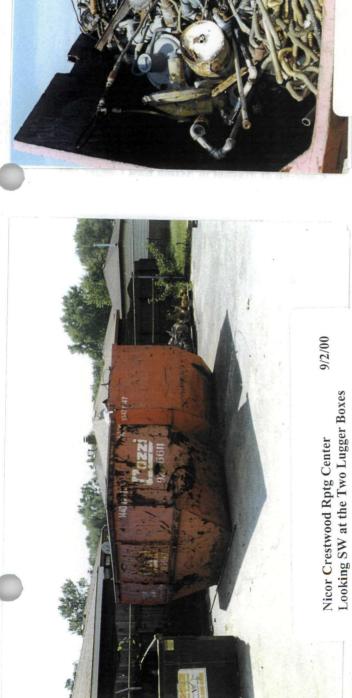
All Jerome Meter readings achieve objective (<0.010 mg Hg/m<sup>3</sup>).

Work complete. No follow up required.

N/A – Not Applicable

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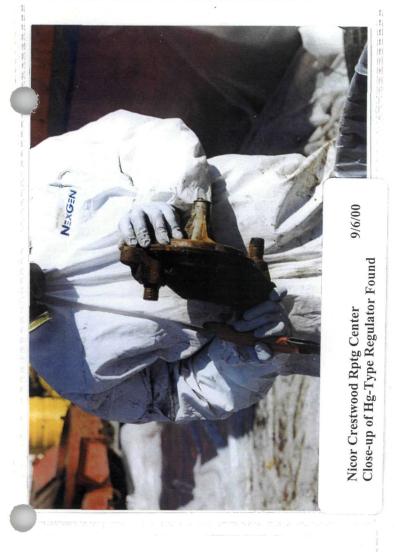


Nicor Crestwood Rptg Center Looking North into West Lugger Box

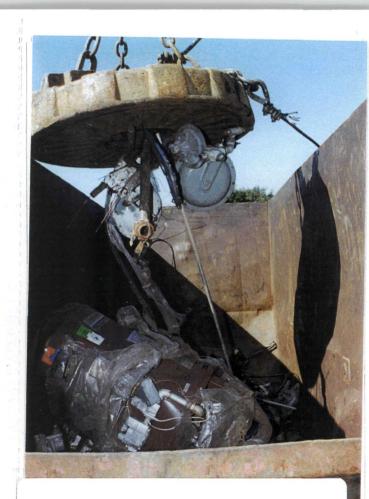
Nicor Crestwood Rptg Center Looking North into West Lugger Box



00/9/6 Nicor Crestwood Rptg Center Setting up plastic – before sorting







Nicor Crestwood Rptg Center 9/6/00 Close-up of Magnet in Action East Lugger Box



Nicor Crestwood Rptg Center 9/6/00 Debris/water in East Lugger Box, before cleaning

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20. Facility Owner or Operator: Certification of receipt of haz	ardous materials covered by this mar	illast excup	as co	and in itniy 19		Date
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this information may result in a civil penalty against the owner Wr operationer day of violation and imprisonment up to 5 years. This form has been approved by	tor not to except \$25,000 per day of violary the Forms Management Center	tion Falsalication	ur. T	in state of the little of the little	man at	and the second

# OZINGA. TRANSPORTATION SYSTEMS, INC.

E 582399

14269

21900 South Central Ave. Matteson, IL 60443 (708) 720-6000

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#### E 582398 1/1295

21900 South Central Ave. Matteson, IL 60443 (708) 720-6000 Date 14 Nov 00

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**CUSTOMER COPY** 



#### E 6290J6

21900 South Central Ave. Matteson, IL 60443 (708) 720-6000

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#### E 654263

21900 South Central Ave. Matteson, IL 60443 (708) 720-6000 Stone Dispatch • 708-720-1713 Waste Dispatch • 708-720-0708

Delivery Date \_

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FAX 708/780-0510 TEL 708/780-6800 15. h Cicero Av Cicerc, ilinois 60804

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Weigher

Carrier

Driver

**Weight Ticket** 

'yers and Recyclers

.h Cicero Avenue



#### 3020 Old Ranch Pkwy., Ste. 220, Seal Beach, CA 90740-2751 Corporate Headquarters: 562/430-6262 Local Branch: Toll Free 800 / Baker 12

RENTAL AGREEMENT 370720

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DRIVER INITIALS

**CUSTOMER INITIALS** 

SCHEDULED DELIVERY DATE/TIME ACTUAL DELIVERY DATE/TIME



### Heritage Environmental Services, LLC Field Services Daily Job Summary

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# Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site Information	
Site name:	Crystal Lake Reporting Center: Scrap Metal
Site location:	300 W. Terra Cotta Ave. Crystal Lake, IL 60014
Site contact and phone no:	Steve Martin (630) 629-2500
2. Initial Site Visit	
Date of initial site visit: Huff & Huff personnel on site:	10/20/00 Darren Greving
No. of scrap piles: Scrap contained in: Box owner: Box ID no.: Ground surface beneath scrap:	2 Box ☑ Concrete bin ☐ On the ground ☐ Elgin Salvage (1) ES 266, (2) not recorded Asphalt ☐ Gravel ☐ Concrete ☒ Soil ☐
Description of scrap: Lugger box (ES266) full of copper tubic Rolloff box filled with regulators (incl.	ing. Hg-type), scrap metal, and other debris.
Photographs attached:	Yes No 🗌
Screening of scrap:  Jerome Meter readings (mg Hg/ m³)  Scrap in lugger ES266 (uncovered):  Scrap in rolloff box (covered):	Yes No \( \bigcap \) 0.000 \\ 0.000  0.000
3. Scrap Metal Segregation	
Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	11/01/00 Jose Gonzalez D
Location where scrap was sorted: Figure attached:	Site Scrap yard Yes No

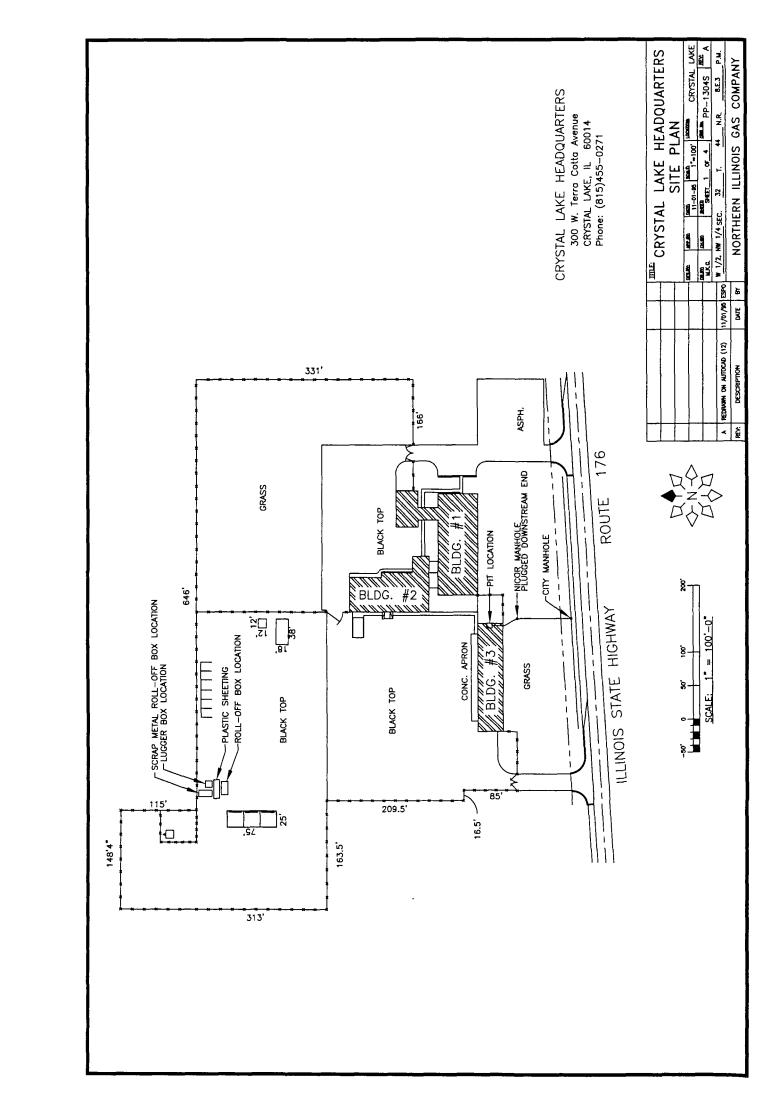
3. Scrap Metal Segregation (continued	)	·		<del></del>		
Screening before segregation:	Yes 🖂	No 🗌				
Jerome Meter readings (mg Hg/ m³): Scrap in lugger ES266 (uncovered): Scrap in rolloff box (covered):	0.000 0.003	0.003	0.003	0.023	i	
Description of segregation activities:  (Lugger box ES266 was not sorted because it contained copper only.)  An empty rolloff box was delivered to the site and lined with plastic sheeting (Rain for Rent 200317).  Plastic sheeting was spread on the ground surface between the scrap rolloff box and the empty rolloff box.  The scrap was sorted on the plastic sheeting and then transferred into the rolloff box, using a magnetic crane and by hand.  22 mercury-type regulators were identified and placed into a drum lined with plastic sheeting. Non-metallic debris was placed in a one-yard box for disposal as low-level mercury hazardous waste.  No mercury beads were identified.						
No. of Hg-type regulators: Location shipped to/via: Manifests attached:	Herita	drum) ge via He: ☑ No □	ritage			
Volume of scrap: No. of scrap boxes shipped off-site: Location shipped to/via: Shipping papers attached:	1 rollo United	oic yards off box (20 I Scrap via I No	00317) a Ozinga T	Гranspor	tation	
Photographs attached:	Yes 🔀	] No [				
Screening after segregation:	Yes 🔀	No 🗌				
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* * /	0.000	0.000	0.000	0.000	0.003	0.006
4. Sample Collection and Analysis						
Soil samples collected:	Yes [	] No 🖂				
5. Additional Comments	··	·			·	
None.						

#### 6. Status

Twenty-two mercury-type regulators identified.

Final Jerome Meter readings achieve objective (<0.010 mg Hg/m<sup>3</sup>).

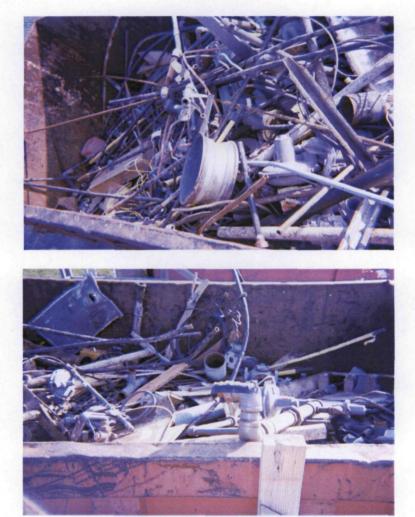
Work complete. No follow up required.



Crystal Lake November 1, 2000



Photo 1: Area where work was performed. The orange roll-off box contained the scrap metal and regulators. The red lugger box contained copper tubing, and the green Ozinga box is where the scrap metal and nonmercury regulators were placed. NICOR Crystal Lake reporting center -11/01/00



Photos 2 & 3: Elgin Salvage roll-off box filled with scrap metal and regulators before the scrap transfer. NICOR Crystal Lake reporting center -11/01/00



Photo 4: The scrap transfer in progress with the magnet. NICOR Crystal Lake reporting center -11/01/00



Photo 5: The Elgin Salvage roll-off box after all the scrap metal, regulators, and debris have been removed. NICOR Crystal Lake reporting center -11/01/00



Photo 6: Area sampled under Elgin Salvage roll-off box after having been removed. NICOR Crystal Lake reporting center – 11/01/00

P.O. BOX 19276

SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761

FOR SHIPMENT OF HAZARDOUS AND SPECIAL WASTE

IL532-0610 State Form LPC 62 8/81 PLEASE TYPE EPA Form 8700-22 (Rev. 6-89) for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

4	UNIFORM HAZARDOUS 1. Generator's US WASTE MANIFEST LL 085		Manifest Document No.	2. Page 1	Information in the required by Federal Illinois law.	shaded areas is no law, but is required b
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	15. Special Handling Instructions and Additional Information					
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	16. GENERATOR'S CERTIFICATION: I hereby decidire that the contents	of this consignment are full	V and accurated	described above	na hv	
	proper shipping name and are classified, packed, marked, and labele according to applicable international and national government regulations.	d, and are in all respects in	proper condition	for transport by	highway	
	If I am a large quantity generator, I certify that I have a program in p be economically practicable and that I have selected the practicable in	method of treatment, storage	a, or disposal cu	rrently available	to me which minin	nizes the present
	and future threat to human health and the environment, OR, if I am a select the best waste management method that is available to me an	small quantity generator, I d that I can afford.	have made a go	ood faith effort to	minimize my wast	e generation and Date
	MPrinted/Typed Name As Agent for	Signature		<del></del>		Month Day Yea
Ţ	17. Transporter 1 Acknowledgement of Receipt of Materials	Modera	-	<del></del>	j	1/12/200
Ř	Printed/Types Name	Signature		<del> </del>		Date Month Day Yea
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C	Replaces manifest	1. [0-10.380	1 7040	+201		
·	20. Facility Owner or Operator: Certification of receipt of hazardous r		nanifest except	as noted in ite	<del></del>	Date
٧	Printed/Typed Name	Signature				Month Day Yea



#### E-582794 14195

TRANSPORTATION SYSTEMS, INC. Date 11-7-00 21900 South Central Ave. Matteson, IL 60443 (708) 720-6000 Delivery Date \_\_\_\_\_ UNITED SCRAP. Ship To: P.O. No. Shipper: PRODUCT DESCRIPTION WEIGHT(lb) C.O.D. AMOUNT LOAD Price SCRAP METAL **EMPTY** Tax .ΞT Total SOURCE **ADDRESS** TICKET NO. CRYSTAL LAKE IL. MICCR **HOURLY** LOAD TIMES PORTAL TO PORTAL 4 5 0800 LOCATION TIME Arrive Begin Load Start Load Finish Depart 08 30 Total Total REQUESTED | REASON FOR DELAY TIME MANIFEST NUMBER: LOADER SIGNATURE 1110155023 you store DRIVER SIGNATURE TRUCK # OTSI TRAILER OTSI LINER? Y / N 9305 HOW MANY? \_\_ UNLOAD TIMES **ROLL OFF BOX NUMBERS** 1 4 5 DROPPED Arrive AT CUSTOMER Begin Unload End Unload AT CUSTOMER 2003/7 Depart COMMENTS REQUESTED REASON FOR DELAY RECEIVER SIGNATURE

CUSTOMER COPY

DRIVER SIGNATURE

OTS! TRAILER

TRUCK #



# **BILL OF LADING**

TRIPLICATE

# ALTERNATE STRAIGHT BILL OF LADING—SHORT FORM

<u>0</u>

Carrier No	ginal—Not Negotiable  OZNUC VANSPOYTATION  (Name of Carrier)
Shipper No.1110195023	ALTERNATE STRAIGHT BILL OF LADING—SHORT FORM

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	SCHOOL THE WAY	108 02			
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of the property		signor shall sign the following statement. The carrier shall not case delivery of this shipment without pay.	Check Appropriate Box:	riate Box:	
stated by the s	stated by the shapper to be not exceed by	ment of freight and all other charges	☐ Freight	prepaid	Collect
		(Signature of Consignor)			

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PER CARRIER

**TOPS** FORM No. 38411

SHIPPER NICOY COLA

April and

Made in U.S.A.

DATE // - 1-00



**Weight Ticket** 

Metal Buyers and Recyclers
1545 South Cicero Avenue
Cicero, Illinois 60804
FAX 708/780-0510
TEL 708/780-6800

936. 9301. 317

0# 36356

Date:

V. Cus /Llan mpul Cake Truck / Trailer No.

Address

MISC NOFC

Driver

Weigher

Carrier

62540 1b (1) 50380 1b TR 12160

10 MET

## Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site Information						
Site name:	Crystal Lake Reporting Center: Fire Pit					
Site location:	300 W. Terra Cotta Ave. Crystal Lake, IL 60014					
Site contact and phone no:	Steve Martin (630) 629-2500					
2. Background						
Mercury vapors were identified in a pit containing fire suppression piping located in the maintenance garage. The pit, approximately 7' X 9' X 5', has concrete floor and walls and is covered with a metal grate. It contains several 12-inch diameter water lines associated with the building's fire suppression system. There is a floor drain on the bottom of the south vertical wall in the pit that is connected to the Crystal Lake Sanitary Sewer. Before any cleaning activities began, dye testing was completed to verify the outlet of the drain in the pit.  3. Initial Site Visit						
Date of initial site visit: Huff & Huff personnel on site:	12/28/00 Darren Greving Lisa Paulson					
No. of pits:	1					
Description of pit:	7 ft by 9ft, and 5ft deep. Concrete construction.					
Photographs attached:	Yes No 🗌					
Screening of pit:	Yes No No					
Jerome Meter Pit readings (mg Hg/m³) (covered) Drain reading	0.022 0.016 0.032					
4. Decontamination Activities						
Date of Decontamination Activity: Huff & Huff personnel on site:	02/05/01 and 02/15/01 Lisa Paulson Lisa Paulson Jose Gonzalez					
Level of Personal Protective Equipment:	C					

## 4. Decontamination Activities (continued)

Initial Jerome Meter reading	gs (mg Hg/ $m^3$ ):				
	Pit (uncovered)	0.000	0.000	0.000	0.000
		0.003	0.008		
·	Drain	0.006	0.009		

## Description of Decontamination Activity:

Dye tested drain, found outlet to sanitary sewer. Poured 1 liter Mercury Decontamination Solution (Mercon X) into drain. Placed plug back in drain. Sprayed walls, floor, and piping with Mercury Decontamination Solution, and waited one hour. Entered pit and brushed walls, floor and piping with detergent followed by high pressure rinse. Exhaust vented through activated carbon during cleaning. Wet vacuumed up wash and rinse water.

On February 15, 2001, returned to site to clean out drain to manhole just before the street. Placed sewer plug in exit from downstream manhole. Placed mercury decontamination solution (1 liter) in drain, and poured 1 liter into steam cleaner. Steamed the sewer for 1 hour; followed by high pressure rinse.

A vacuum truck was used to collect the wash water in the downstream manhole. Initial wash water tested, contained 1.0 mg/L total mercury.

## Final Mercury Vapor Readings

2/15/01 (covered)	floor middle top	NE Corner 0.004 0.003 0.004	NW Corner 0.008 0.004 0.000	SE Corner 0.008 0.007 0.008
2/19/01 (ui	ncovered)	Lumex Readings, (Jerome Readings		

Location Above Grating NW Corner NE Corner SE Corner SW Corner	Ht. Off Floor 3" 3" 3" 3"	Lumex 0.002 0.002 0.003 0.004 0.009	Jerome 0.010 0.004 0.003 0.012 0.009
Center of Pit	3"	0.004	
NW Corner NE Corner SE Corner SW Corner	2.5' 2.5' 2.5' 2.5'	0.004 0.003 0.005 0.009	0.004 0.004 0.005 0.010

## Final Mercury Vapor Readings (continued)

Location	Ht. Off Floor	<u>Lumex</u>	<u>Jerome</u>
NW Corner	5.0'	0.004	0.005
NE Corner	5.0'	0.001	0.006
SE Corner	5.0'	0.005	0.005
SW Corner	5.0'	0.009	0.010
Drain Opening		0.007	

3/15/01 Final inspection. IEPA representative at site, Matthew Cookingham.

Location	Ht. off floor	Lumex	
NW corner	5.5'	0.002	
SW corner	5.5'	0.001	
SE corner	5.5'	0.001	
NE corner	5.5'	0.001	
Center	5.5'	0.001	
NW corner	0.5'	0.003	
Middle west wall	0.5'	0.005	
SW corner	0.5'	0.005	
NE corner	0.5'	0.002	
SE corner	0.5	0.002	

## 5. Additional Comments

Subsequent to the pit cleaning, Paul Leer of the IT Group (IT) indicated that IT had recently cleaned this pit. The sewer line cleaning was conducted under the oversite of the Crystal Lake Sewer Department.

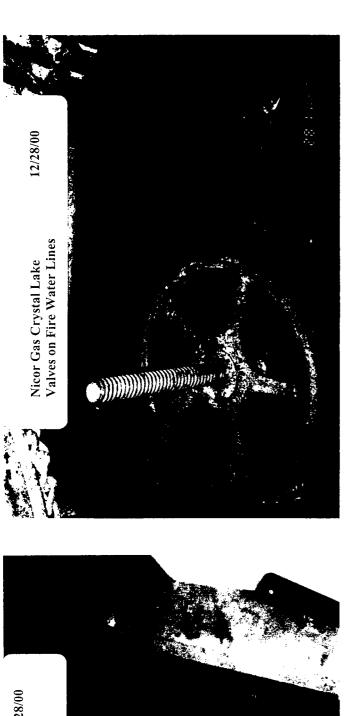
## 6. Status

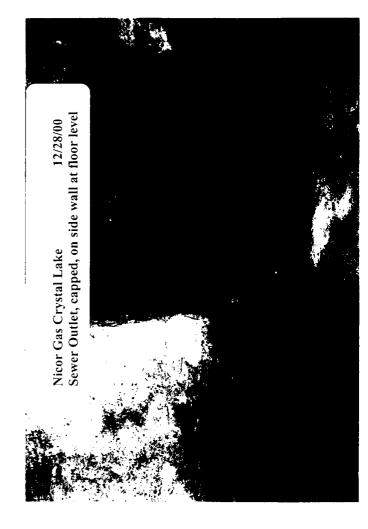
Final Jerome Meter readings achieved objective (<0.010 mg/ Hg/m<sup>3</sup>).

Work complete. No follow up required.

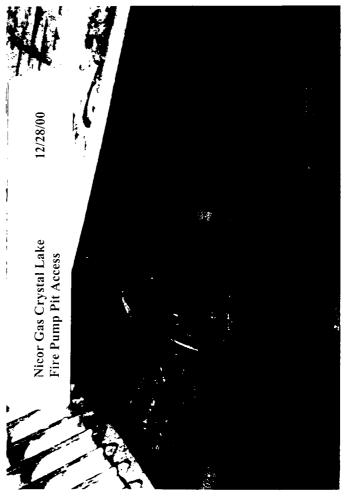
## N/A – Not Applicable

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DEG

WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY
ATT.

DO NOT WRITE IN THIS SPACE
ATT. DIS. REJ. PR. D

P. Q3 criminal andler civil paneltine under Sections 324.11161 or 324.12116 MCL

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## **Lumex Commercial Survey Report**

—·· — ··· · · · · · · · · · · · · · · ·	
Site Name: NICOR FACILITY	Date: 2/15/01 Time: 10:00
Street Address: 300 - TELRA COTTA	City: CRYSTAL LAKE
Nicor Inspector's Name: 213A PAULSO~	Huff Gas Meter Number: N/A  Huff Company: IT CORP
Inspector's Name: HUGH ADA-S	ASP Company: IT CORP
Lumex Serial Number: 124	Temperature: °F Lumex Test R%
55°F @-	
Sampler should remain at each location for a minimum	hop n of 20 seconds to obtain a suitable reading. All readings should be

Sample Number	Location	Height	Reading in (ng/m³)	Visu Merc	ury	Notes
18		4-5 feet	L	TH 64	MID	
2-2	Corner#1 NW Corner	3 inches	1532	3780	3717	? 
	Corner # 2 NE	3 inches	2717	1469	<u> 1880 SC</u>	
44		3 inches	4436	15292	18881	
S-5	Corner # 4 Sw	3 inches	9173	9402	7370	)
6 ->	Wall # 1. 3 ' from Corner #1 to #2	3 inches	1331			
	Wall # 1. 'from Corner #1 to #2	3 inches				
	Wall # 1. 'from Corner #1 to #2	3 inches				
	Wall #1 ' from Corner #1 to #2	3 inches				
	Wall # 1. 'from Corner #1 to #2	3 inches				
		3 inches				
	Wall # 1. 'from Corner #1 to #2	3 inches				
7 —	Wall # 2, 21/2' from Corner #2 to #3	3 inches	2418			
8	Wall # 2, 5 ' from Corner #2 to #3	3 inches	2246			
9	Wall # 2, 71/2' from Corner #2 to #3	3 inches	3151			
	Wall # 2. 'from Corner #2 to #3	3 inches				
		3 inches				
	Wall # 2, 'from Corner #2 to #3	3 inches				
	Wall # 2, 'from Corner #2 to #4	3 inches	_			
10	Wall # 3, 3' ' from Corner #3 to #4	3 inches	6895		-	dranophing
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12-	Wall # 4. 5 ' from Corner #4 to #1	3 inches	3985	1		
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Instrument Clear (all readings below 10,000 ng/m³ and no visual mercury observed). Post clearing survey appropriate to determine the extent of area with

elevated mercury vapor levels. Potential cleanup efforts will be planned using this information.



## **Lumex Sampling Grid**

A Member of The IT Group Date: 2/19/01 Site Name: CRYSTAL LAKE NICOR Inspector: HUEH ADA-S Address: 300 W TERRA COTTA Nicor Inspector: LISA City: CRYSTAL LAKE Key: I square equals\_\_\_feet MOF TO SCALE Note Sketch a diagram of the room include all sample points on the grid. A reference point must be used to identify the location of contamination for cleanup **Additional Notes** 

SIGNATURE:

## Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site Information		
Site name:	DeKalb Reporting Center	
Site location:	14 <sup>th</sup> & Market St. DeKalb, IL 60115	
Site contact and phone no:	Steve Martin (630) 629-2500	
2. Initial Site Visit		
Date of initial site visit: Huff & Huff personnel on site:	10/18/00 Darren Greving	
No. of scrap piles: Scrap contained in: Box owner: Box ID no.: Ground surface beneath scrap:  Description of scrap:	2 (one other containing plastic) Box ⊠ Concrete bin ☐ On the ground ☐ DeKalb Iron & Metal (1) Box 1838, (2) Box 1231, (3) not identified Asphalt ⊠ Gravel ☐ Concrete ☐ Soil ☐	
	ators and other scrap metal. The other two boxes	
Photographs attached:	Yes No No	
Screening of scrap:	Yes No 🗌	
Jerome Meter readings (mg Hg/ m³)  Box of metal scrap (uncovered):  Box of plastic scrap (uncovered):  Box of copper scrap (uncovered):  3. Scrap Metal Segregation	0.000 0.000 0.000 0.000	0.000 0.000 0.000
Date of scrap segregation:	10/27/00	
Huff & Huff personnel on site: Level of Personal Protective Equipment:	James E. Huff	
Location where scrap was sorted: Figure attached:	Site ☐ Scrap yard ☒ DeKalb Iron & Metal Yes ☒ No ☐	

3. Scrap Metal Segregation (continued)						
Jerome Meter readings (mg Hg/ m³): Box of metal scrap (uncovered):		0.000	0.000	0.000 0.000	0.000 0.000	0.000 0.000
Description of segregation activities:  DeKalb Iron & Metal picked up two lug them to their yard. Using the scrap yard lowered onto double-lined plastic on the 2 cu yd hopper which was prescreened with plastic. No mercury regulators was Twelve readings of 0.000 mg/cu m were liners were placed in a rolloff box going	ard's crane ground. A for mercury ere found. e obtained.	e, the scra All spring l y vapors (a The scra No merc	p was p loaded reall 0.000 p pile w ury bead	oulled from egulators mg/cu ras cover	om each were plant of the were plant of the were plant of the were and seed	box and aced in a nen lined screened.
No. of Hg-type regulators:	0					
Volume of scrap: No. of scrap boxes shipped off-site:	20 cubic y 1 (include Metal)	vards es spring re	egulators	from De	eKalb Iro	on &
Location shipped to/via: Shipping papers attached:	Newton C regulators	County Lan ) No \[ \square \cdot N/A		Ozinga (	(spring lo	oaded
Photographs attached:	Yes N					
Screening after segregation: Jerome Meter readings (mg Hg/m³)	Yes 🛛 N	Ло 🗌				
Empty boxes of scrap (uncovered): scrap pile (covered):	0.000 0.000 0.000	0.000 0.000 0.003	0.000 0.000 0.005	0.000 0.000 0.003	0.000 0.000 0.005	0.000
Ground beneath boxes (at Reporting Center, 12/05/00, covered Ground beneath sorting at scrap yar	0.000 d:	0.000	0.000	0.000	0.000	0.000
Pre-sorting Post sorting:	0.006 0.003	0.003 0.004	0.000 $0.000$	0.007 0.004	0.007	0.003
4. Sample Collection and Analysis						
Soil samples collected:	Yes N	No 🖂				
5. Additional Comments						
None.						

## 6. Status

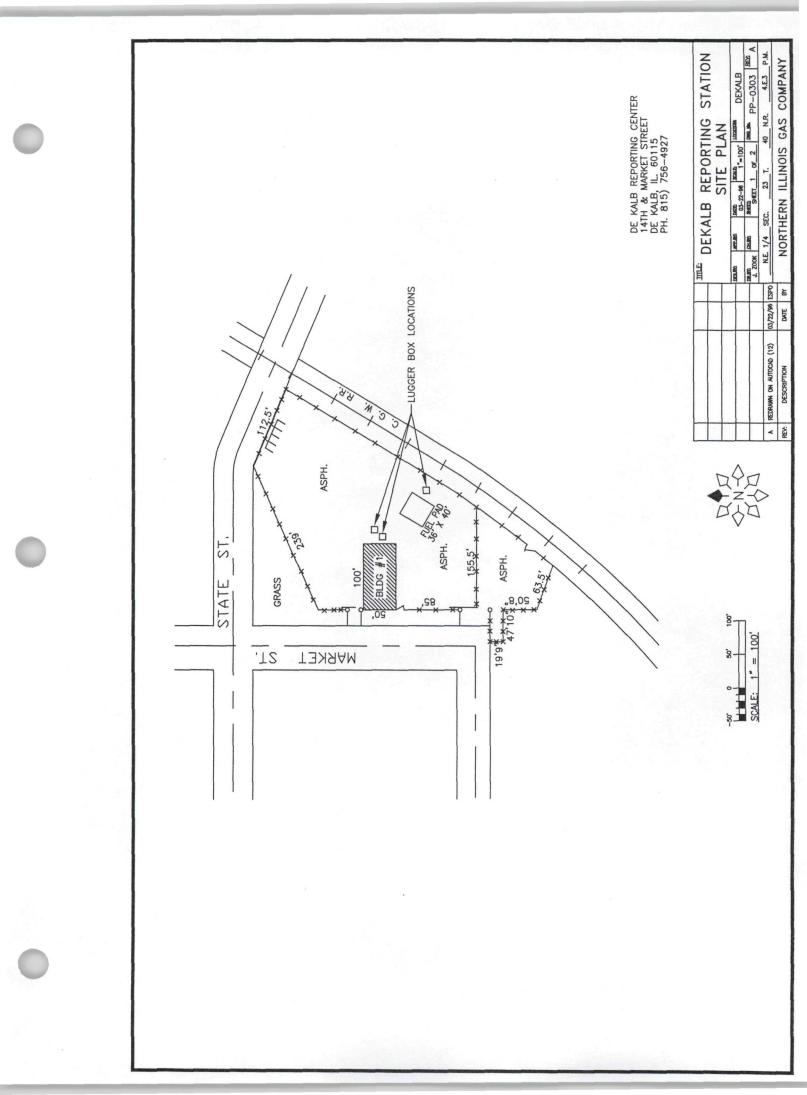
No mercury-type regulators identified.

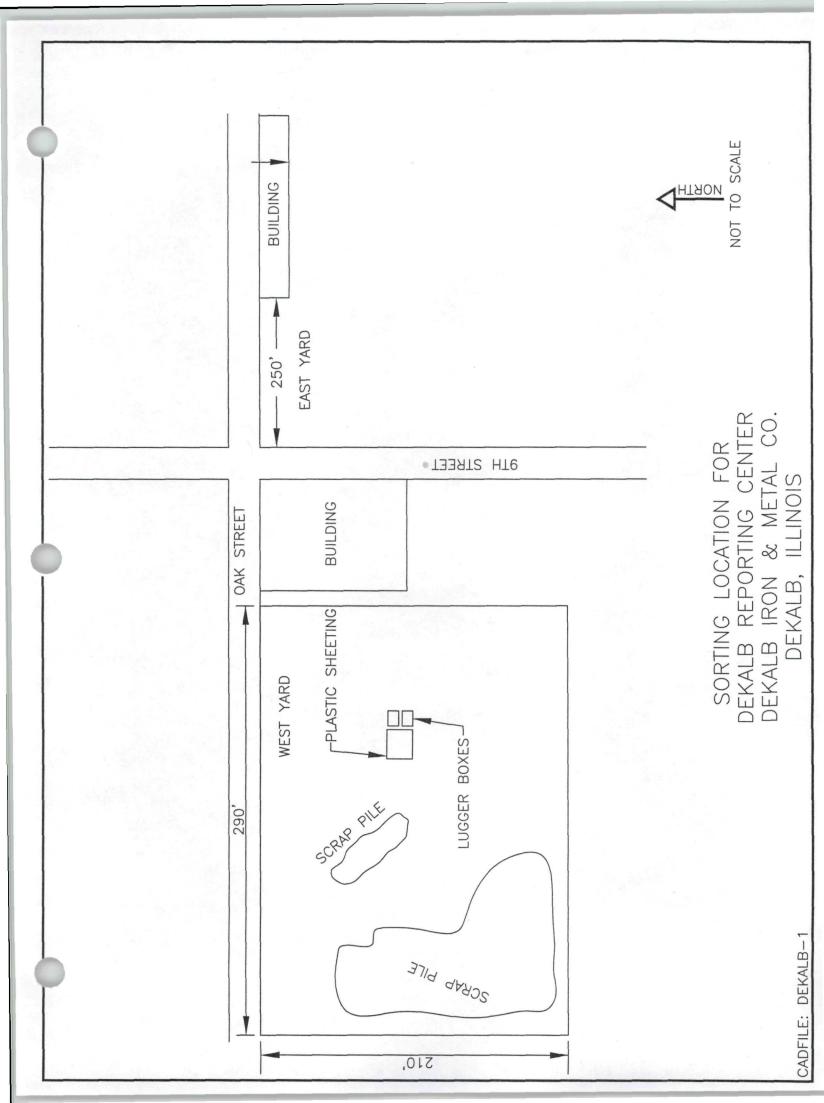
All Jerome Meter readings achieve objective (<0.010 mg Hg/m³).

Work complete. No follow up required.

N/A – Not Applicable

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Nicor DeKalb- 10/27/2000 Lugger boxes/plastic prior to dumping scrap



# DE KALB IRON & METAL CO.

900 OAK STREET — DE KALB, IL 60115 815/758-2458

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E533826 21900 South Central Ave. Date 10-30 Matteson, IL 60443 Delivery Date (708) 720-6000 Ship To: P.O. No. 14043 Shipper: PRODUCT DESCRIPTION WEIGHT(lb) C.O.D. AMOUNT Price LOAD **EMPTY** Tax Total **NET** SOURCE ADDRESS TICKET NO. Talle do **HOURLY** LOAD TIMES PORTAL TO PORTAL 2 4 5 TIME LOCATION Arrive Begin Load Start Finish Depart 1 Total REQUESTED REASON FOR DELAY MANIFEST NUMBER: LOADER SIGNATURE 0370100010 ZUAN MURCHE FOR NICO GAL OTSI LINER? Y / N UNLOAD TIMES **HOW MANY?** ROLL OFF BOX NUMBERS 2 3 5 DROPPED Arrive AT GUSTOMER Begin Unload End Unload AT CUSTOMER \_ Depart COMMENTS Total REQUESTED | REASON FOR DELAY RECEIVER SIGNATURE To Newton La Nia TRUCK # OTSI TRAILER DRIVER SIGNATURE

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Shipper No. 0370100010

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Aade in USA



# DE KALB IRON & METAL CO.

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CHECK NO. PRICE AMOUNT

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Matteson, IL 60443

TION SYSTEMS, INC.

THE SYSTEMS, INC.

Uth Central Ave.
on, IL 60443
) 720-6000

Delivery Date

Desclopment 21900 South Central Ave. (708) 720-6000 Ship To: P.O. No. 14044 ter. Tanc Shipper: PRODUCT DESCRIPTION WEIGHT(lb) C.O.D. AMOUNT LOAD Price **EMPTY** Tax Total 1ET SOURCE **ADDRESS** TICKET NO. HOURLY LOAD TIMES PORTAL TO PORTAL 4 3 5 Arrive 63/3 TIME LOCATION Begin Load End Load Start Finish Depart Ch 1 Total Total REQUESTED | REASON FOR DELAY MANIFEST NUMBER: LOADER SIGNATURE 0376100010 X Sancu Lunette for Ni DRIVER SIGNATURE OTSI LINER? Y / N **HOW MANY? UNLOAD TIMES** ROLL OFF BOX NUMBERS 2 3 4 5 DROPPED Arrive AT CUSTOMER Begin Unload End Unload AT CUSTOMER 20023) Depart COMMENTS Total REQUESTED | REASON FOR DELAY TIME RECEIVER SIGNATURE DRIVER SIGNATURE TRUCK # OTSI TRAILER

**CUSTOMER COPY** 

# AI TERNATE STRAIGHT BILL OF LADING—SHORT FORM

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	Non Haradox by OOT	260 mt-1
	Bex #202231	
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There is gravered in a second of the second of the second control the world canner being understood throughout this contract, as meaning any person or contract of the second of the sec BSSENT of the restrictions and takkin, lind tanks in effect on the date of the Bill of Lading the property described above in appearant good order except as magent formains and operations.

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## Nicor Gas Inspection Form Huff & Huff, Inc.

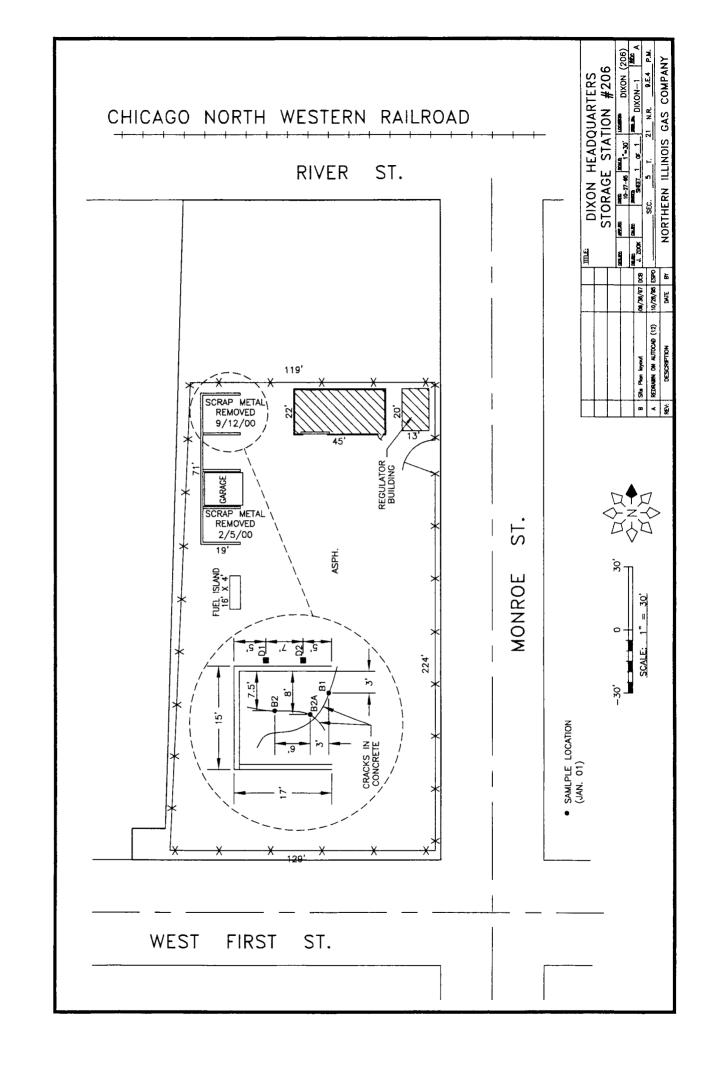
1. Site Information	
Site name:	Dixon Reporting Center
Site location:	421 W. First St. Dixon, IL 61021
Site contact and phone no:	Steve Martin (630) 629-2500
2. Initial Site Visit	
Date of initial site visit: Huff & Huff personnel on site:	09/11/00, 09/12/00 Lisa Paulson
No. of scrap piles: Scrap contained in: Ground surface beneath scrap:	l Box ☐ Concrete bin ☒ On the ground ☐ Asphalt ☐ Gravel ☐ Concrete ☒ Soil ☐
Description of scrap: Piping and approx. 5 spring-loaded regr	ılators.
Photographs attached:	Yes 🖂 No 🗌
Screening of scrap: Jerome Meter readings (mg Hg/ m³) Scrap pile (uncovered):	Yes No \( \subseteq 0.004  0.004  0.004  0.004  0.000 \)
3. Scrap Metal Segregation	
First Segregation Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	09/12/00 Lisa Paulson D
Location where scrap was sorted: Figure attached:	Site ⊠ Scrap yard ☐ Yes ⊠ No ☐
Screening before segregation:	Yes ⊠ No ☐ (See "2. Initial Site Visit": same day)

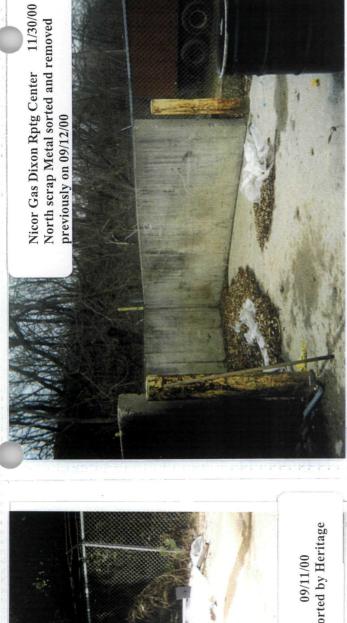
### Description of segregation activities: One-yard boxes were lined with plastic sheeting. Plastic sheeting was spread on the ground surface between the boxes and the scrap pile. The scrap was sorted on the plastic sheeting and transferred to one-yard boxes, by hand. No mercury-type regulators or mercury beads were identified. No. of Hg-type regulators: Volume of scrap: 2 or 3 cubic yards No. of scrap boxes shipped off-site: 2 or 3 one-cubic yard boxes Location shipped to/via: Heritage via Heritage Yes No No Shipping papers attached: Yes No 🗌 Photographs attached: Yes No 🗌 Screening after segregation: Jerome Meter readings (mg Hg/ m<sup>3</sup>) 0.028 Concrete beneath scrap (uncovered): 0.029 0.044 0.0220.1300.041 **Second Segregation** 12/05/00 Date of scrap segregation: Huff & Huff personnel on site: Homa Rizvi Level of Personal Protective Equipment: D Site ⊠ Scrap yard ☐ Yes ⊠ No ☐ Location where scrap was sorted: Figure attached: Yes No No Screening before segregation: Jerome Meter readings (mg Hg/ m<sup>3</sup>) 0.000 Scrap pile (covered): 0.000 0.000 0.000 0.000 0.000 Description of segregation activities: A rolloff box was delivered to the site, lined with plastic sheeting (box 274542). Plastic sheeting was spread on the ground surface between the scrap pile and the rolloff box. The scrap was sorted on the plastic sheeting and then transferred into the rolloff box, using a Bobcat excavator and by hand. No mercury-type regulators or mercury beads were identified. No. of Hg-type regulators: 0 Volume of scrap: 20 cubic yards No. of scrap boxes shipped off-site: 1 rolloff box (274542) Location shipped to/via: United Scrap via Ozinga Transportation Shipping papers attached: Yes 🛛 No 🗌 Yes No No Photographs attached:

3. Scrap Metal Segregation (continued)

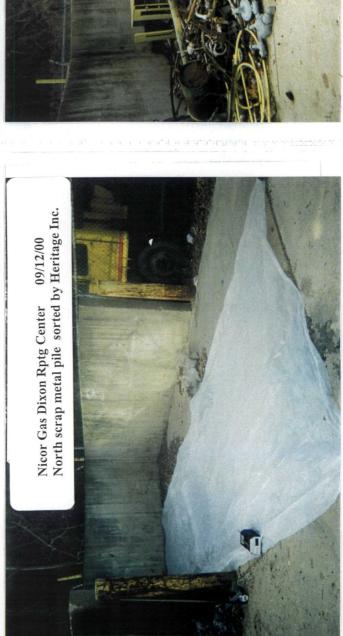
3. Scrap Metal Segregation (continu	ıed)					
Screening after segregation: Jerome Meter readings (mg Hg/ m³)	Yes	⊠ No □				
Ground beneath scrap (covered): Scrap shipped off site (covered):	0.000	0.000	0.000	0.000	0.000	0.000
4. Sample Collection and Analysis						
Soil samples collected: Date of sample collection: Collected by: Figure attached:	01/1 Jose	<ul><li>No □</li><li>9/01, 03/20</li><li>Gonzalez</li><li>No □</li></ul>	0/01	Collected	at Dixon	
Analytical laboratory:	Test	America				
Sample ID Total Hg, mg/kg (dr	y wt)	Sample II	D	рН		
SB-1 1.2 SB-2 0.83		D1 D2		8.05 7.98		
5. Additional Comments	1:0.0			····		
Illinois EPA at site 09/12/00 (Ed Osov	VSKI & GI	ino Bruni)				
The second scrap segregation occurred concrete bin after the initial segregation		scrap cont	inued to	be accumu	lated in th	e
6. Status		· · · · · · · · · · · · · · · · · · ·				
No mercury-type regulators identified						
Final Jerome Meter readings achieve of	bjective	(<0.010 m)	g Hg/m³)			
Soil sample results achieve objective soil component of Class I Groundwate	•	•		1 Objectiv	ve; and <8	3.0 mg/kg,
Work complete. No follow up require	d.					
N/A – Not Applicable						

 $E: \label{loc-nicor-mercury-reporting-centers-summary-forms-discond} E: \label{loc-nicor-mercury-reporting-centers-summary-forms-discond-center-summary-forms-d$ 



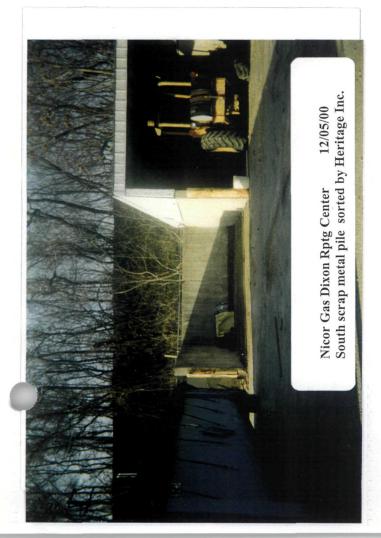


Nicor Gas Dixon Rptg Center 09/11/00 North scrap metal pile to be sorted by Heritage











## E 627254

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TO: Consigner	United Sgap FROM:	VIG. D	Ø. Ø.	
Street	. 15th Place .	7	V. FIRST S.	
Destination	n C( C	D. Kar	Zip	Zip Code 602
Route:			Vehicle No.	
No. Shipping Units	Kind of Packaging, Description of Articles Special Marks and Exceptions		Weight (Subject to RATE Correction)	CHARGES
_	(611 0th Dox With soury MPT	2		•
REMIT C.O.D. TO: ADDRESS	COD Amt: \$ COLLECT E	<b>&amp;</b>	TOTAL \$	
Note · Whe	Nute. Where the rate is dependent on value, shippers are Subject to Section 7 of the conditions, if this shipment is to be required to state specifically in writing the agreed or declared value.	his shipment is to be he consignar, the con-	FREIGHT CHARGES	ARGES
of the property The agreed or	ty is hereby specifically	ipment without pay-	Check Appropriate Box:	
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property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of the shipment contents of

Shipper hereby certifies that he is familiar with all the buil of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his

CARRIER

Made in U.S.A. John

FOPS. FORM No. 38411

SHIPPER

**Weight Ticket** 

\*al Buyers and Recyclers
.5 South Cicero Avenue
Cicero, Illinois 60804
FAX 708/780-0510
TEL 708/780-6800

80

Date: 277 VA Truck / Trailer No.

Customer

Address

-2:49 PM 12 08 00 69425 3:48 PM 12 08 00 69432 46180 1b (1) 41900 1b TR 4280 1 b TR

Carrier

Driver

Weigher

Test/\merica

Watertown Division 602 Commerce Drive Watertown, WI 53094

Phone: 920-261-1660 Fax: 920-261-8120

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes? Compliance Monitoring

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Ms. Lisa Paulson HUFF & HUFF INC. 512 West Burlington Suite 100 LaGrange, IL 60525 02/02/2001

Job Number: 01.00364

IEPA Cert. No.: 100221 WDNR Cert. No.: 999447130

Enclosed is the Analytical and Quality Control reports for the following samples submitted to Bartlett Division of TestAmerica for analysis.

Project Description: Nicor Hg, Dixon

Sample	Sample Description	Date	Date
Number		Taken	Received
614228	SB-1 (6-12)	01/19/2001	01/24/2001
614229	SB-2 (6-12)	01/19/2001	01/24/2001

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. These results apply only to the samples analyzed. Reproduction of this report only in whole is permitted. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Procedures used follow TestAmerica Standard Operating Procedures which reference the methods listed on your report. Should you have questions regarding procedures or results, please do not hesitate to call. TestAmerica has been pleased to provide these analytical services for you.

This Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Approved by:

Project Manager

Robert E. White

Page 1 of 6



## ANALYTICAL REPORT

Ms. Lisa Paulson HUFF & HUFF INC.

512 West Burlington

Suite 100

LaGrange, IL 60525

02/02/2001

Sample No. : 614228

Job No.: 01.00364

Sample Description: SB-1 (6-12)

Nicor Hg, Dixon

Date Received: 01/24/2001 Time Received: 10:48

Date Taken: 01/19/2001 Time Taken:

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
Solids, Total	92.7		%	0.1	01/29/2001	jht	SM 2540
Mercury, CVAA	1.2		mg/kg dw	0.043	01/30/2001	efw2	SW 7471A



## ANALYTICAL REPORT

Ms. Lisa Paulson HUFF & HUFF INC.

512 West Burlington Suite 100

LaGrange, IL 60525

02/02/2001

Sample No. : 614229

Job No.: 01.00364

SB-2 (6-12) Sample Description:

Nicor Hg, Dixon

Date Received: 01/24/2001 Time Received: 10:48

Date Taken: 01/19/2001 Time Taken:

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
Solids, Total	94.1		%	0.1	01/29/2001	jht	SM 2540
Mercury, CVAA	0.83		mg/kg dw	0.043	01/30/2001	efw2	SW 7471A



Ms. Lisa Paulson HUFF & HUFF INC. 512 West Burlington Suite 100 LaGrange, IL 60525 02/02/2001

Job Number: 01.00364

IEPA Cert. No.: 100221 WDNR Cert. No.: 999447130

Project Description: Nicor Hg, Dixon

## CASE NARRATIVE

No analytical exceptions were noted outside of routine method protocols.

Page 4 of 6



### KEY TO ABBREVIATIONS and METHOD REFERENCES

<	;	Less than; When appearing in the results column indicates the analyte was not detected at or above the reported value.		
mg/L	:	Concentration in units of milligrams of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per million (ppm).		
ug/g	:	Concentration in units of micrograms of analyte per gram of sample. Measurement used for non-aqueous samples. Can also be expressed as parts per million (ppm) or mg/Kg.		
ug/L	:	Concentration in units of micrograms of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per billion (ppb).		
ug/Kg	÷	Concentration in units of micrograms of analyte per kilogram of sample. Measurement used for non-aqueous samples. Can also be expressed as parts per billion (ppb).		
TCLP	:	These initials appearing in front of an analyte name indicate that the Toxicity Characteristic Leaching Procedure (TCLP) was performed for this test.		
Surr:	:	These initials are the abbreviation for surrogate. Surrogates are compounds that are chemically similar to the compounds of interest. They are part of the method quality control requirements.		
96	:	Percent; To convert ppm to %, divide the result by 10,000.  To convert % to ppm, multiply the result by 10,000.		
ICP	:	Indicates analysis was performed using Inductively Coupled Plasma Spectroscopy.		
AA	:	Indicates analysis was performed using Atomic Absorption Spectroscopy.		
GFAA	:	Indicates analysis was performed using Graphite Furnace Atomic Absorption Spectroscopy.		
PQL	:	Practical Quantitation Limit; the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions.		
Method	l References			
ASTM	"American So	ociety for Testing Materials"		
EPA	"Methods for Chemical Analysis of Water and Wastes", USEPA, EPA 600/4-79-020, Revised March 1983.			
EPA	A "Test Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", EPA 600/4-82-057, July 1982.			
SDWA	NA "Methods for the Determination of Organic Compounds in Finished Drinking Water and Raw Source Water", USEPA, September 1986.			
SDWA	"Methods for	the Determination of Metals in Environmental Samples", Supplement I USEPA, EPA-600/R-94/111, May		

Page 5 of 6

"Standard Methods for the Examination of Water and Wastewater", APHA-AWWA-WPCF, 18th Edition.

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", USEPA, SW-846.

SM

SW



## ATTACHMENT: CHAIN OF CUSTODY

Following are the chain of custody documents associated with the samples pertaining to this report.

PAGE 6 of 6

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### ANALYTICAL REPORT

Sarah Monette 03/26/2001

HUFF & HUFF INC.

512 West Burlington Sample No.: 620549 Suite 100

LaGrange, IL 60525 Job No.: 01.02294

Sample Description: D1

Date Taken: 03/20/2001 Date Received: 03/21/2001

Nicor - Reporting Centers

Time Taken: Time Received: 16:30

Parameter Result Flag Units Reporting Date Analyst Analytical

Limit Analyzed Initials Method

pH, Non-Aqueous 8.05 units 0.10 03/23/2001 jht SW 9045B

pH, Non-Aqueous 8.05 units 0.10 03/23/2001 jht SW 904

MAR-26-2001 08:22 P.06



### ANALYTICAL REPORT

Sarah Monette 03/26/2001

HUFF & HUFF INC. 512 West Burlington

Suite 100

LaGrange, IL 60525 Job No.: 01.02294

Sample Description: D2

Nicor - Reporting Centers

Sample No. : 620550

Date Taken: 03/20/2001 Date Received: 03/21/2001

Time Taken: Time Received: 16:30

Flag Units Reporting Date Analyst Analytical Parameter Result Limit Analyzed Initials Method SW 9045B 0.10 03/23/2001 jht pH, Non-Aqueous 7.98 units

# Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site Information									
Site name:	Elgin Reporting Center: Scrap Metal								
Site location:	1800 Big Timber Rd. Elgin, IL 60120								
Site contact and phone no:	Mike Henderson (708) 544-5707								
2. Initial Site Visit									
Date of initial site visit: Huff & Huff personnel on site:	10/19/00 Darren Greving								
No. of scrap piles: Scrap contained in: Box owner: Box ID no. Ground surface beneath scrap:	2 Box ☑ Concrete bin ☐ On the ground ☐ Elgin Salvage ES206, ES2063 Asphalt ☑ Gravel ☑ Concrete ☐ Soil ☑								
Description of scrap: Box ES206 contain copper only. Box ES2063 appeared to contain various scrap metal. No regulators visible.									
Photographs attached:	Yes 🗌 No 🔀								
Screening of scrap: Jerome Meter readings (mg Hg/ m³) Scrap in Box ES206 (uncovered):	Yes ⊠ No ☐ 0.000 0.000								
Soil beneath Box ES206 (uncovered): Scrap in Box ES2063 (uncovered):	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000								
Soil beneath Box ES2063 (uncovered): Each side of box area (uncovered):	0.000       0.000       0.000       0.000       0.000       0.000         0.000       0.000       0.000       0.000       0.000								
3. Scrap Metal Segregation									
Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	11/08/00 Sarah Monette D								
Location where scrap was sorted: Figure attached:	Site ☐ Scrap yard ⊠ Elgin Salvage Yes ⊠ No ☐								

3. Scrap Metal Segregation (continued	)					
Screening before segregation: Jerome Meter readings (mg Hg/ m³) Sorting area ground surface (covered):	Yes 🔀 1	No   0.004	0.001	0.000		
Description of segregation activities:  Box ES2063 had been delivered to EES2003 from Ingleside Rptg Ctr and ESC (Box ES206 was not sorted because come One cubic-yard cardboard box was lined Plastic sheeting was spread onto the soid Box ES2063 was emptied onto plastic secrap was sorted by a magnetic crane as scrap pile.  Upon completion of sorting, the used along with PPE for management by Her 24 mercury-type regulators were identified sheeting.  No mercury beads identified.	S164 and latained cond with plast ground sheeting. Industrial sheeting that the plastic sheeting.	Elgin Weld pper only. stic sheeting surface adjud. The screeting was	ding School) ng. acent to E rap was tr s placed i	ool). Elgin Salv ransferred	age scrap to Elgin stic garba	pile. Salvage age bag,
No. of Hg-type regulators: Location shipped to/via: Manifests attached:	24 (1 bo Heritage Yes ⊠	e via Herita	age			
Volume of scrap: No. of scrap boxes shipped off-site: Location shipped to/via: Shipping papers attached:		e yards ed at Elgin No 🔀 N				
Photographs attached:	Yes 🗌	No 🖂				
Screening after segregation:  Jerome Meter readings (mg Hg/ m³)	Yes 🖂		0.000	0.000		
Box 2063, empty (uncovered):	0.000	0.000	0.000	0.000	0.000	0.000
Scrap pile during sort (uncovered):	0.000	0.000	0.000	0.000	0.000	0.000
Scrap pile after sort (uncovered):	0.004 0.006	0.005 0.008	0.004 0.004	0.000	0.008	0.000
Breathing zone during sort:	0.000	0.008	0.004	0.000	0.000	0.000
Box of regulators (uncovered):	0.003	0.000	0.000	0.000	0.000	0.000
Plastic, PPE after sort (covered):	0.003	0.008	0.000	0.000	0.000	0.000

0.000

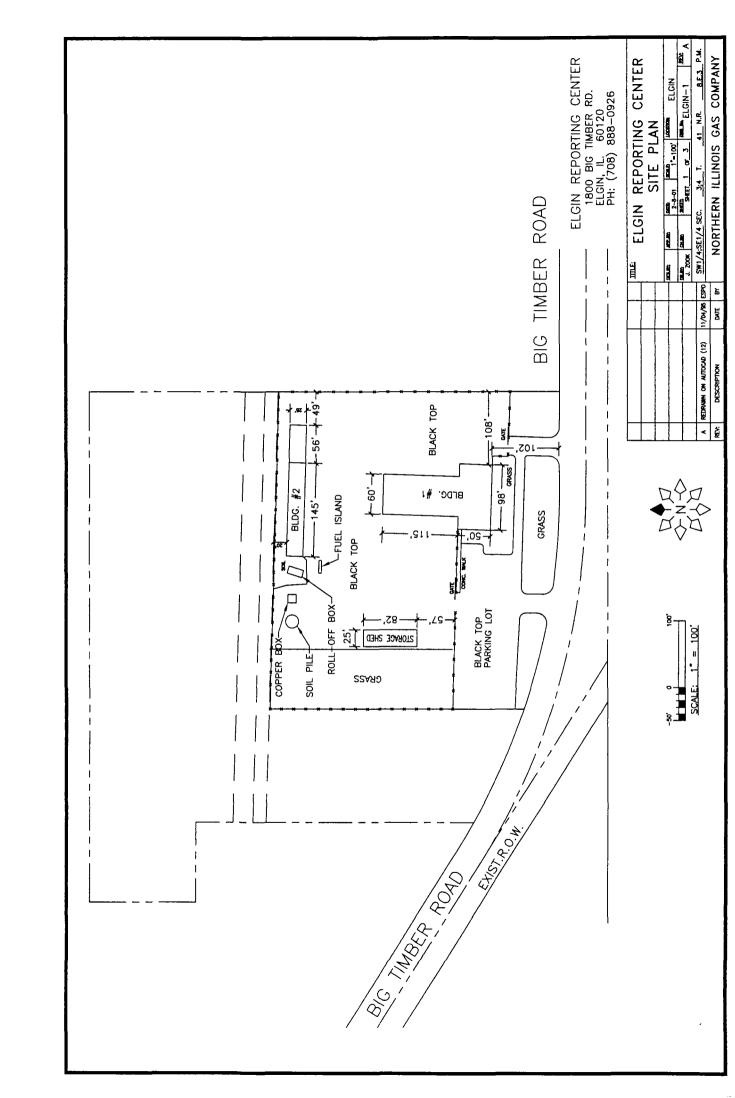
Soil beneath sort area (covered): 0.000

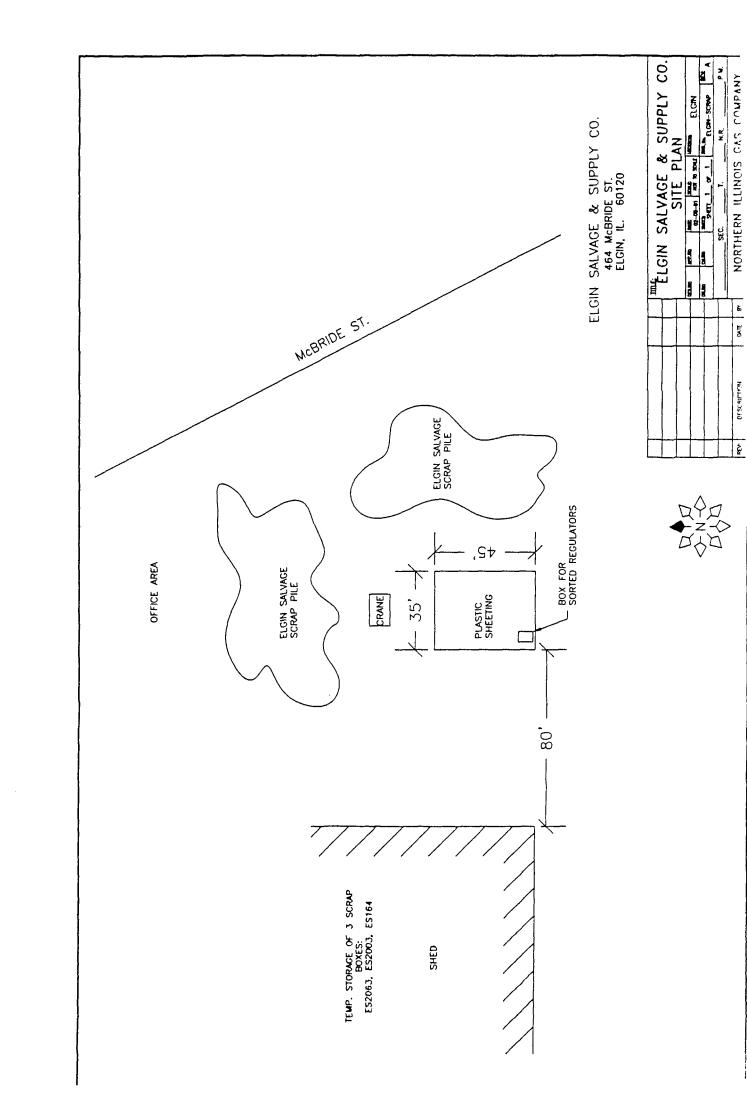
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0.004

4. Sample Collection and Analysis	
Soil samples collected:	Yes 🗌 No 🛛
5. Additional Comments	
None.	
6. Status	
Twenty-four mercury-type regulators iden	ntified.
All Jerome Meter readings achieve object	ive ( $<0.010 \text{ mg Hg/m}^3$ ).
Work complete. No follow up required.	
N/A – Not Applicable	

 $E: \label{local-$ 





ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND PULLUTION CONTINUL

P.O. BOX 19276

SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761

FOR SHIPMENT OF HAZARDOUS AND SPECIAL WASTE

III Lase of a spittmen ...

A05.70/05		tate Form LPC 62 8/81	IL532-0610	-	A OA	ID No. Onco	<del>7</del>		
SE TYPE (Form designed for use on elite (12-pitch) typewriter.) EPA Form 8700-22 (Rev. 6-89) Form Approved OMB No. 2050-00  INTERIORM HAZARDOIIS 1. Generator's US EPA ID No. Manifest 2. Page 1 Information in the second									
UNIFORM HAZARDOUS WASTE MANIFEST	ILD98178		Document No 94393	1	age 1 Inform require 1 Illinois	e shaded areas is not al law, but is required by			
3 Geregator's Name and Mailing Address	Locati	on If Different	<del></del>	A. Illir	nois Manifest [	ocument	Number		
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5. Transporter LCompany Name HERITAGE TRANSPURT LLC	- HR/E 👸	(ND0584341 it 4 ii	unioei	(31	<del>317,)381-6848</del>				
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7. Transporter 2 Company Name	8. I	US EPA ID N	umber		ansponer's Number				
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9. Designated Facility Name and Site Address		US EPA ID N	umber	<b>—</b> —	<del></del>		<del></del>		
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11. US DOT Description (Including Proper S	Shipping Name, Hazard	d Class, and ID Number)	12. Con	ainers	13. Total	14. Unit	1. 18		
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15. Special Handling Instructions and Addit	ional information								
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16. GENERATOR'S CERTIFICATION: I herel proper shipping name and are classified,						wav			
according to applicable international and i	national government reg	ulations.				•			
If I am a large quantity generator, I certify be economically practicable and that I had	y that I have a program ve selected the practical	in place to reduce the vol- ble method of treatment, st	ume and toxicity o orage, or disposal	f waste currently	generated to the	e degree l e which m	have determined to		
and future threat to human health and the select the best waste management metho	environment; OR, if I a	ım a small quantity general	or, I have made a	good fa	ith effort to mini	mize my v	vaste generation and		
			<del>-</del>				Date		
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17. Transporter 1 Acknowledgement of Re	ceipt of Materials						Date		
A Printed/Typed Name		Signatur	$\mathcal{X}$				Month Day Yea		
MIKE SPENCER		11111	2				11220		
18. Transporter 2 Acknowledgement of Re	eceipt of Materials						Date		
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19. Discrepancy Indication Space	<del></del>						<del></del>		
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20. Facility Owner or Operator: Certification	on of receipt of bazarde	nus materials covered by	this manifest evo	ent se r	noted in item 1		Date		
Y Printed/Typed Name	or receipt or mazarut	Signature	and mainest exc	opi do 1	NOU HINGHI I	<del></del>	Month Day Ye		

# Heritage Environmental Services, LLC Field Services Daily Job Summary

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Customer Acceptance PCF. VICH LLONGHE Date: 11-8-00

# Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site Information	
Site name:	Elgin Reporting Center: Welding School Scrap
one name.	Light Reporting Center. Welding School Scrap
Site location:	1800 Big Timber Rd. Elgin, IL 60120
Site contact and phone no:	Mike Henderson (708) 544-5707
2. Initial Site Visit	
Date of initial site visit: Huff & Huff personnel on site:	None. Not identified until at Elgin Salvage (see Section 3). N/A
No. of scrap piles: Scrap contained in: Box owner: Box ID no. Ground surface beneath scrap:	1 Box ☑ Concrete bin ☐ On the ground ☐ Elgin Salvage ES164 Unknown
Description of scrap:	Unknown
Photographs attached:	Yes No No N/A
Screening of scrap:	Yes No No N/A
3. Scrap Metal Segregation	
Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	11/08/00 Sarah Monette D
Location where scrap was sorted: Figure attached:	Site ☐ Scrap yard ⊠ Elgin Salvage Yes ☑ No ☐

3. Scrap Metal Segregation (continued)	)					
Screening before segregation:	Yes 🛛 1	No 🗌				
Jerome Meter readings (mg Hg/ m <sup>3</sup> )						
sorting area ground surface (covered):	0.000	0.004	0.001	0.000		
Description of segregation activities:						
Box ES164 had been delivered to Elgin S	Salvage fo	or segregat	ion, (as w	vell as ES	32063 fro	m Elgin
Rptg Ctr and ES2003 from Ingleside Rptg	_		, (			υ
A one-yard cardboard box was lined with		eeting.				
Plastic sheeting was spread onto the soil	ground :	surface ad	jacent to	the Elgir	n Salvage	sorting
pile.						
Box ES164 emptied onto plastic sheeting.		, transform	d to Elai	o Colvogo	. corting r	.;1 <sub>0</sub>
Scrap sorted by magnetic crane and by ha Upon completion of sorting, the used p	-		_	_		
along with PPE to be managed by Heritag		cing was	placed ii	no a pia.	stic garot	ige oug,
No mercury-type regulators or mercury be	•	identified				
No. of Hg-type regulators:	0					
Volume of soren	10 auhic	vorda				
Volume of scrap: No. of scrap boxes shipped off-site:	10 cubic	yarus				
Location shipped to/via:	J	ed at Elgin	Salvage			
Shipping papers attached:		No N				
		K				
Photographs attached:	Yes 🗌	No 🖂				
Screening after segregation:	Yes 🔀	No 🗀				
Jerome Meter readings (mg Hg/ m <sup>3</sup> )	<u> </u>					
Box ES164, empty (uncovered):	0.000	0.000	0.000	0.000		
scrap pile during sort (uncovered):	0.000	0.000	0.000	0.000		
Plastic, PPE after sort (covered):	0.000	0.008	0.003	0.000	0.000	0.000
Soil beneath sort area (covered):	0.000	0.000	0.003	0.004		
4. Sample Collection and Analysis		· *···		·		·····
0.11 1 11 4 1	v 🗆	v 🔽				
Soil samples collected:	Yes 🔝	No 🖂				
5. Additional Comments			· · · · · · · · · · · · · · · · · · ·			
None.						

### 6. Status

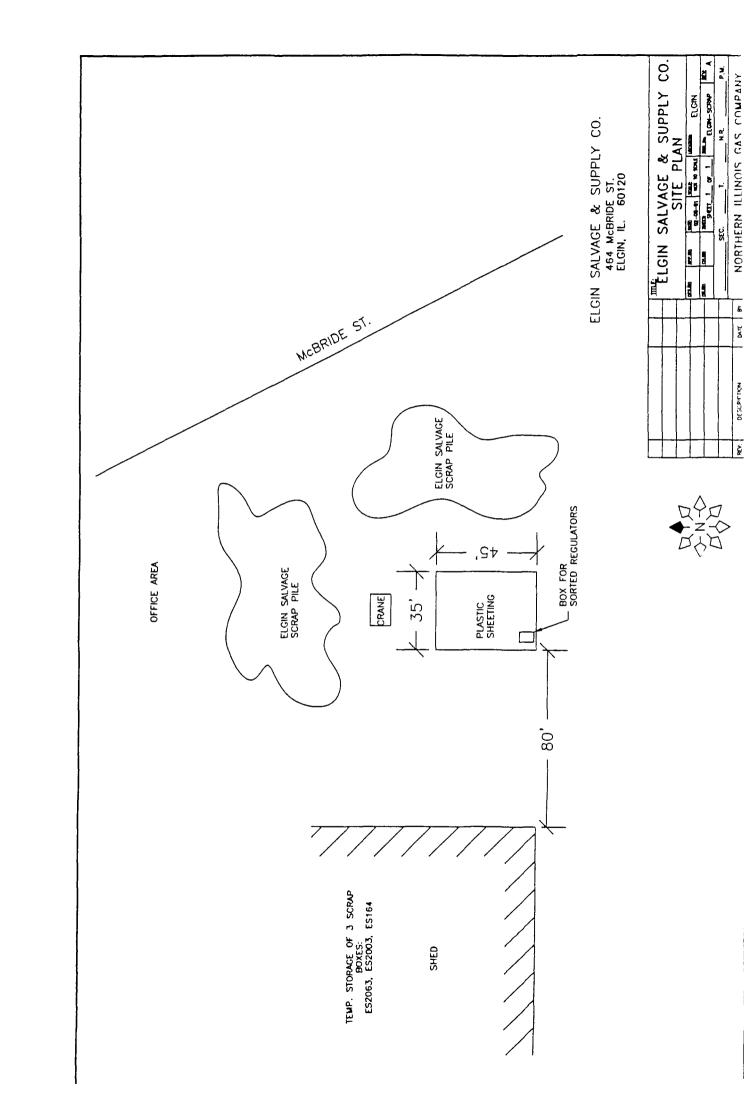
No mercury-type regulators identified.

All Jerome Meter readings achieve objective (<0.010 mg Hg/m<sup>3</sup>).

Work complete. No follow up required.

N/A – Not Applicable

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# Heritage Environmental Services, LLC Floid Services Dally Job Summary

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Customer Acceptance Part Land Long the Date: 1100 CO Heritage Rep Clare Order Date: 11-8-00

# Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site Information	
Site name:	Elk Grove Village Reporting Center
Site location:	750 N. Elmhurst Elk Grove Village, IL 60007
Site contact and phone no:	Mike Henderson (708) 544-5707
2. Initial Site Visit	
Date of initial site visit: Huff & Huff personnel on site:	10/19/00 Darren Greving
No. of scrap piles: Scrap contained in: Box owner: Box ID no.: Ground surface beneath scrap:	l Box ☑ Concrete bin ☐ On the ground ☐ Elgin Salvage not recorded Asphalt ☑ Gravel ☐ Concrete ☐ Soil ☐
Description of scrap:  Lugger box ½-full with scrap metal, inc  Cardboard debris also was present.	cluding metal shavings and spring-loaded regulators.
Photographs attached:	Yes 🛛 No 🗌
Screening of scrap: Jerome Meter readings (mg Hg/ m³) Scrap in box (uncovered):	Yes No
3. Scrap Metal Segregation	
Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	11/01/00 Jose Gonzalez D
Location where scrap was sorted: Figure attached:	Site Scrap yard Yes No

3. Scrap Metal Segregation (continued	<u>d)</u>							
Screening before segregation: Jerome Meter readings (mg Hg/ m³):	Yes 🔀	No 🗌						
Scrap in box (uncovered):	0.000	0.000	0.000	0.000	0.000	0.000		
Description of segregation activities: A rolloff box was delivered to the site. Plastic sheeting was placed on ground. The scrap was sorted on the plastic magnetic crane and by hand. No mercury-type regulators or mercury	between sheeting	the scrap then tran	lugger bo nsferred i	x and the	rolloff bo	Χ.		
No. of Hg-type regulators:	0							
Volume of scrap:  No. of scrap boxes shipped off-site:  Location shipped to/via:  Shipping papers attached:  10 cubic yards  1 rolloff box (200277)  United Scrap via Ozinga Transportation  Yes ☑ No ☐								
Photographs attached:	Yes [	☑ No ☐						
Screening after segregation: Jerome Meter readings (mg Hg/m³)	Yes [	☑ No □						
Empty lugger box, clean (uncovered): Ground beneath scrap (covered):	0.000 0.003	0.000 0.003	0.000	0.000	0.000	0.000		
Scrap shipped off-site (covered):	0.000	0.000	0.000	0.000	0.003	0.006		
4. Sample Collection and Analysis								
Soil samples collected:	Yes [	□ No 🏻						
5. Additional Comments						<del></del>		
None.								

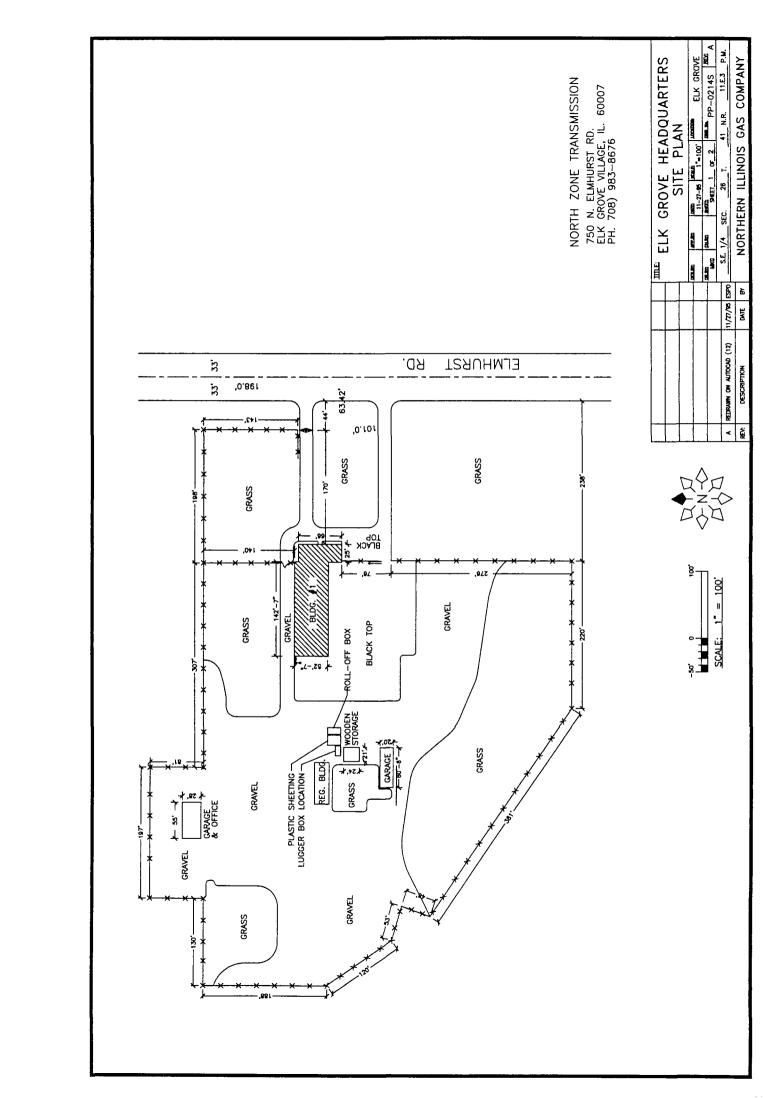
### 6. Status

No mercury-type regulators identified.

All Jerome Meter readings achieve objective (<0.010 mg Hg/m<sup>3</sup>).

Work complete. No follow up required.

N/A – Not Applicable



### Elk Grove Village November 1, 2000



Photo 1: Elgin Scrap lugger box containing the scrap metal to be transferred. NICOR Elk Grove Village reporting center -11/01/00



Photo 2: The interior of the lugger box.

### NICOR Elk Grove Village reporting center – 11/01/00



Photo 3: Heritage, Inc. technician scrapes out the remaining debris from the interior of the lugger box. NICOR Elk Grove Village reporting center -11/01/00



Photo 4: The interior of the lugger box after scraping completed. NICOR Elk Grove Village reporting center – 11/01/00



## F 585971

21900 South Central Ave. Matteson, IL 60443 (708) 720-6000  Ship To:  COUNTY  Delivery Date  P.O. No. 14000  Shipper:  P.O. No. 14000  Price  FMPTY  Tax  Total  SOURCE  ADDRESS  TICKET NO.  HOURLY PORTAL TO PORTAL TIME LOCATION Start  Finish  Total  MANIFEST NUMBER:  LOADER SIGNATURE
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CUSTOMER COPY



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21900 South Central Ave. Matteson, IL 60443 (708) 720-6000

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**CUSTOMER COPY** 

# ALTERNATE STRAIGHT BILL OF LADING—SHORT FORM

Shipper No. 0314405435 Carrier No.

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_	rear you Mage)	PROCESSIVED subject to the classifications and landilly filled tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of subject as the contract as meaning any person of contents and condition of the contract as meaning any person of contents on the contract as meaning any person of contents on possession of the contract as meaning any person of contents on possession of the contract as meaning any person of contents and contents on the route to said destination. If on its route, otherwise to deliver to another carrier on the route to said destination is mutually agreed as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification and the side of the shipment.  Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assignment.		greed or declared value skippers are declared value skippers try is hereby specifically my	Tit:	W6164T!	(# 200277	1. Hazardoux by r	Off BOX SOAPIN	Kind of Packaging, Description of Articles Special Marks and Exceptions	TO SCHOOL ZID COOK	Ozinga Tu
	CARRIER OTHER	the issue of this Bill of Lading, the property described abut describer the word carrier being understood throughout to discribe the word carrier being understood throughout to its route, otherwise to deliver to another carrier on the on its route, otherwise to any of said property, that every any time interested in all or any of said terms and condition the governing classification and the said terms and condition.	(Signature of Consignor)	Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.  The carrier shall not make delivery of this shipment without payment of freight and all other charges.	C.O.D. FEE: PREPAID 0 \$ COLLECT 0 \$	T. 666AL		Iα	etal		Shipper NICOY & Street 150 to	MSportation Name of Carrier)
	DATE /(-7-	we in apparent good order, except as not his contract as meaning any person or cor route to said destination to is mutually agra- renvice to be performed hereunder shall be service to be performed by the shipper and		Check Appropriate Box:  Freight prepaid	TOTAL \$					Weight (Subject to RATE Correction)	vehicle No.	Date (( - 7
Made in U.S.A.	00	order, except as noted (contents and condition of ining any person or corporation in possession of the inin It is mutually agreed as to each carrier of all or and hereunder shall be subject to all the bill of lading ltb by the shipper and accepted for himself and his		ARGES						CHARGES	age estion	-00

Metal Buyers and Recyclers
1545 South Cicero Avenue
Cicero, Illinois 60804

**Weight Ticket** 

#36317

FAX 708/780-0510 TEL 708/780-6800

Sure

Customer

Address

Truck / Trailer No.

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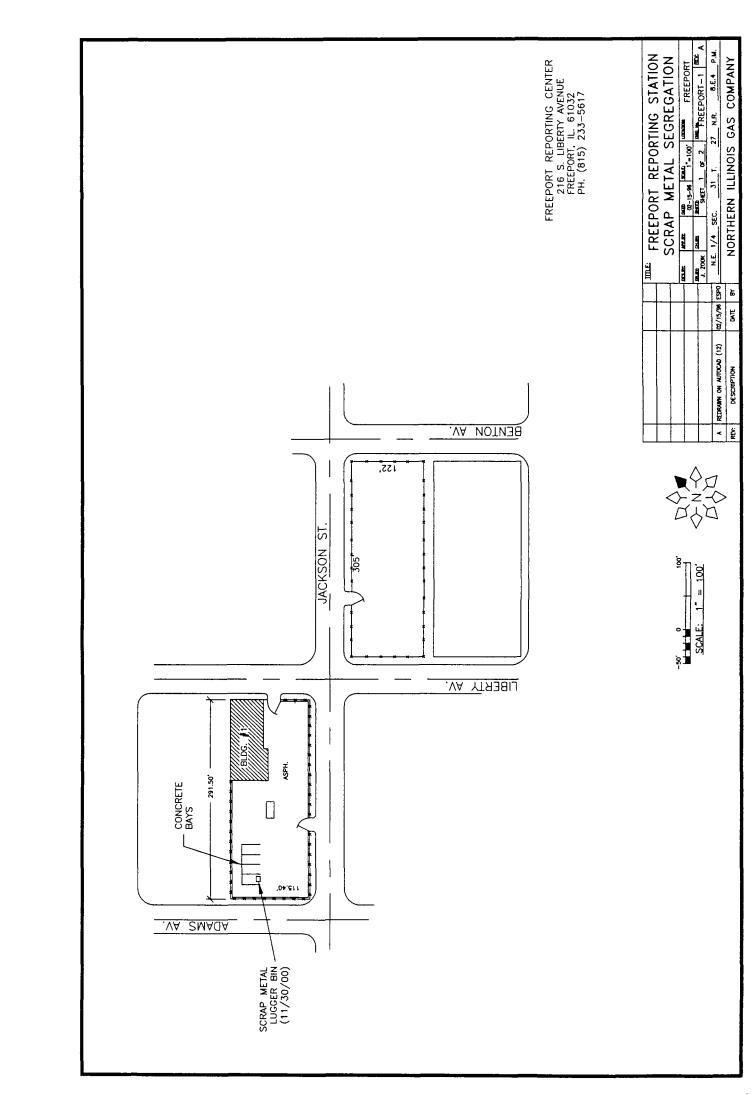
Driver

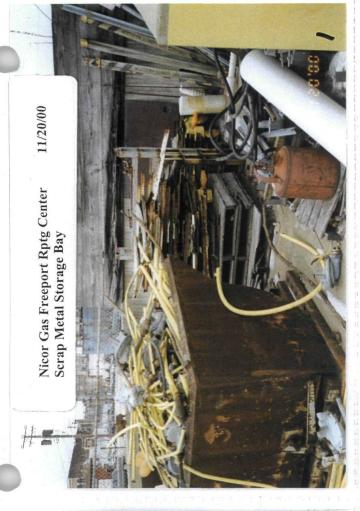
Carrier

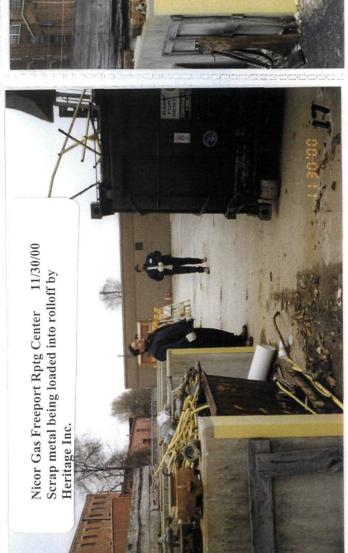
# Nicor Gas Inspection Form Huff & Huff, Inc.

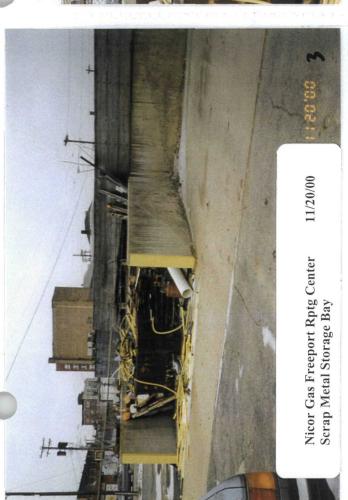
1. Site information									
Site name:	Freeport Reporting Center								
Site location:	216 S. Liberty Ave. Freeport, IL 60132								
Site contact and phone no:	Steve Martin (630) 629-2500								
2. Initial Site Visit									
Date of initial site visit: Huff & Huff personnel on site:	11/20/00 Floro Ham								
No. of scrap piles: Scrap contained in: Box owner: Box ID no.: Ground surface beneath scrap:	1 Box ☑ Concrete bin ☐ On the ground ☐ not recorded not recorded Asphalt ☐ Gravel ☐ Concrete ☑ Soil ☐								
Description of scrap: Lugger box located in first bay of a fou bay, near lugger box.	r bay concrete pad. Stacked scrap also is on ground in								
Photographs attached:	Yes 🛛 No 🗌								
Screening of scrap: Jerome Meter readings (mg Hg/ m³)	Yes 🔀 No 🗌								
Scrap in box / bay (uncovered):	$(mg Hg/m^3)$								
3. Scrap Metal Segregation									
Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	11/30/00 Floro Ham D								
Location where scrap was sorted: Figure attached:	Site Scrap yard Yes No No								

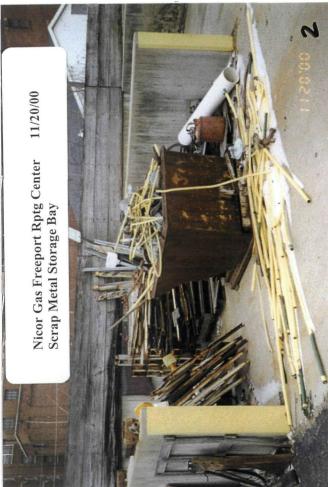
3. Scrap Metal Segregation (continued)	
Screening before segregation: Jerome Meter readings (mg Hg/ m³): Scrap in box (uncovered):	Yes No \( \sum \) 0.000 0.000 0.000
Description of segregation activities: A rolloff box was delivered to the site (b) The scrap was manually loaded into the regulators were identified during the train	rolloff box from the lugger box. No mercury-type
No. of Hg-type regulators:	0
Volume of scrap: No. of scrap boxes shipped off-site:	3 cubic yards 1 rolloff box (box no. 200277, also used at Stockton and Troy Grove)
Location shipped to/via: Shipping papers attached:	United Scrap via Ozinga Transportation Yes ⊠ No □
Photographs attached:	Yes No No
Screening after segregation:	Yes 🗌 No 🔀
4. Sample Collection and Analysis	
Soil samples collected:	Yes No No
5. Additional Comments	
None.	
6. Status	
No mercury-type regulators identified.	
All Jerome Meter readings achieve object	ive (<0.010 mg Hg/m <sup>3</sup> ).
Work complete. No follow up required.	
N/A – Not Applicable	











ALTERNATE STRAIGHT BILL OF LADING SI	HORT FORM	Shippe	r No. <u>177</u>	12 500 pt.
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FIOPS. FORM No. 38411

Made in U.S.A.



# Heritage Environmental Services, LLC Field Services Daily Job Summary

ABOR EMPLED	NAME  NAME	CRAFT	START	TIME								PROT	LINE ITEM
ABOR EMPLED	HARVEY  LEWIS	CRAFT CRAFT	START	TIME			LUNCH					PROT	LANE ITEM
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# Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site information	
Site name:	Glen Ellyn Reporting Center
Site location:	90 N. Finley Rd. Glen Ellyn, IL 60137
Site contact and phone no:	Mike Henderson (708) 544-5707
2. Initial Site Visit	
Date of initial site visit: Huff & Huff personnel on site:	09/07/00 and 11/06/00 James E. Huff and Darren Greving
No. of scrap piles: Scrap contained in: Box owner: Box ID no. Ground surface beneath scrap:	2 Box  Concrete bin  On the ground  Berlinsky Scrap BSC R 2008, BSC R 3008 Asphalt  Gravel  Concrete  Soil
Description of scrap: Two lugger boxes containing scrap: B: 09/07/00.	SCR 2008 used until 09/07/00, BSCR 3008 used after
Photographs attached:	Yes 🗌 No 🔀
Screening of scrap: Jerome Meter readings (mg Hg/ m³)	Yes No 🗌
09/07/00 Scrap in Box 2008 (uncoversible) 11/06/00 Scrap Box 2008 Scrap Box 2008 (covered)	ered): 0.004 0.006 0.007 0.009 0.007 0.001 0.000 0.000 0.000 0.000 0.004 0.000 0.000 0.000 0.000 0.000 0.000 0.000
3. Scrap Metal Segregation	
First Segregation Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment	09/07/00 James E. Huff : C
Location where scrap was sorted: Figure attached: Screening before segregation:	Site ⊠ Scrap yard ☐ Yes ☒ No ☐ Yes ☒ No ☐ (See "2. Initial Site Visit": same day)

#### 3. Scrap Metal Segregation (continued)

Description of segregation activities:

An empty rolloff box was delivered to the site and lined with plastic sheeting (Baker Tanks box I2829RT).

Plastic sheeting was spread onto the ground surface between the Berlinsky Scrap box (box 2008) and the Baker rolloff box.

The scrap was sorted on or over the plastic sheeting and then transferred into the Baker rolloff box, using magnetic crane and by hand.

Two mercury-type regulators were identified and placed into a 55-gallon drum lined with plastic sheeting.

The Berlinsky Scrap box was scraped and cleaned.

No mercury beads were identified.

No. of Hg-type regulators: Location shipped to/via Manifests attached:	2 Heritage via Yes ⊠ No										
Volume of scrap: No. of scrap boxes shipped off-site: Location shipped to/via: Shipping papers attached:	20 cubic yar 1 rolloff box United Scra Yes ⊠ No	k (Baker I2 p_via Ozin									
Photographs attached:	Yes 🔀 No										
Screening after segregation:  Jerome Meter readings (mg Hg/ m³)  09/07/00 Empty Box 2008, after clean ( 09/07/00 Ground beneath scrap (uncove 09/07/00 Scrap shipped off-site (uncove 11/06/00 Scrap to be shipped off-site (u  Second Segregation  Date of scrap segregation:  Huff & Huff personnel on site:  Level of Personal Protective Equipment:	ered): ered): n-covered) 11/16/00 Lisa Paulson	0.003 0.000 0.000 0.001	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.005 0.000					
Location where scrap was sorted: Figure attached:	Site ☐ Scrap yard ☒ Berlinsky Scrap Yes ☒ No ☐										
Screening before segregation: Jerome Meter readings (mg Hg/ m³) Scrap in Box 3008 (uncover	Yes No 0.000 0.000 0.000 0.000										
Description of segregation activities:											

Nicor Gas began use of a second Berlinsky Scrap box for scrap (box 3008) after 09/07/00. The box was transferred to the Berlinsky Scrap yard to be sorted on 11/16/00.

Plastic sheeting was spread onto the ground surface between the rolloff box and the Berlinsky Scrap scrap pile.

0.000 0.000 11/16/00 Box 3008 after cleaning (un-covered) 0.003 0.000 0.000 0.000  4. Sample Collection and Analysis  Soil samples collected: Date of sample collection: 12/20/00, 03/20/01 Collected by: Darren Greving, Jose Gonzalez Figure attached: Yes No  Darren Greving, Jose Gonzalez Yes No  Test America	3. Scrap	Metal Segregation (continued	)					
Volume of scrap:  No. of scrap boxes shipped off-site:  Location shipped to/via:  Remained at Berlinsky Scrap Shipping papers attached:  Yes No No N/A  Photographs attached:  Yes No No Screening after segregation:  Verome Meter readings (mg Hg/ m³)  11/22/00 Ground beneath Box 3008 (covered):  Scrap shipped off-site (covered):  0.000 0.000 0.000 0.000 0.000  Scrap shipped off-site (covered):  0.000 0.000 0.000 0.000  11/16/00 Box 3008 after cleaning (un-covered)  0.000 0.000  11/16/00 Box 3008 after cleaning (un-covered)  Collected at Glen Ellyn  Date of sample collection:  12/20/00, 03/20/01  Collected by:  Figure attached:  Yes No   Collected at Glen Ellyn  Darren Greving, Jose Gonzalez  Yes No   Analytical laboratory:  Test America	magneti	c crane and by hand.		-		rred to the	pile, usi	ng a
No. of scrap boxes shipped off-site:  Location shipped to/via:  Shipping papers attached:  Photographs attached:  Yes No No N/A  Photographs attached:  Yes No No N/A  Photographs attached:  Yes No No N/A  Property No No N/A  Photographs attached:  Yes No No N/A  Photographs attached:  Yes No No N/A  Property No No N/A  Photographs attached:  Yes No No N/A  Property No No N/A  Photographs attached:  Yes No No N/A  Property No No N/A  Photographs attached:  Yes No No N/A  Property No No N/A  Property No N/A  Photographs attached:  Yes No No N/A  Property No N/A  Property No N/A	No. of Hg	g-type regulators:	0					
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Date of sample collection: 12/20/00, 03/20/01   Collected by: Darren Greving, Jose Gonzalez   Figure attached: Yes ☒ No ☒   Analytical laboratory: Test America	4. Samp	le Collection and Analysis						=======================================
	Date of sa Collected Figure att	ample collection: by: ached:	12/20/0 Darren Yes ⊠	0, 03/20/01 Greving, Jo No		_	'n	
Sample ID Total Hg, mg/kg (dry wt) pH	Sample I				<u> </u>			

#### 5. Additional Comments

Below North Box (2008)

Below South Box (3008)

Berlinsky Scrap owned the scrap lugger box (2008) at Glen Ellyn. The box was initially segregated at Glen Ellyn on 09/07/00, with Illinois EPA present. Two Hg-type regulators were found. The segregated scrap was shipped to United Scrap on 11/10/00. The empty lugger box and the ground were screened on 09/07/00. Soil samples were collected and analyzed for total mercury on 12/20/00. Berlinsky collected the empty box on 11/15/00.

G1: 8.67

G2: 8.95

1.5

0.34

Sometime after 09/07/00, Berlinsky Scrap delivered a second lugger box (3008) to Glen Ellyn. On 11/16/00, the box was transferred to Berlinsky Scrap and sorted. No Hg-type regulators were found. The scrap remained at Berlinsky Scrap, except spring loaded regulators went to Newton County Landfill. The underlying ground surface at Glen Ellyn was screened on 11/22/00.

#### 6. Status

Two mercury-type regulators identified.

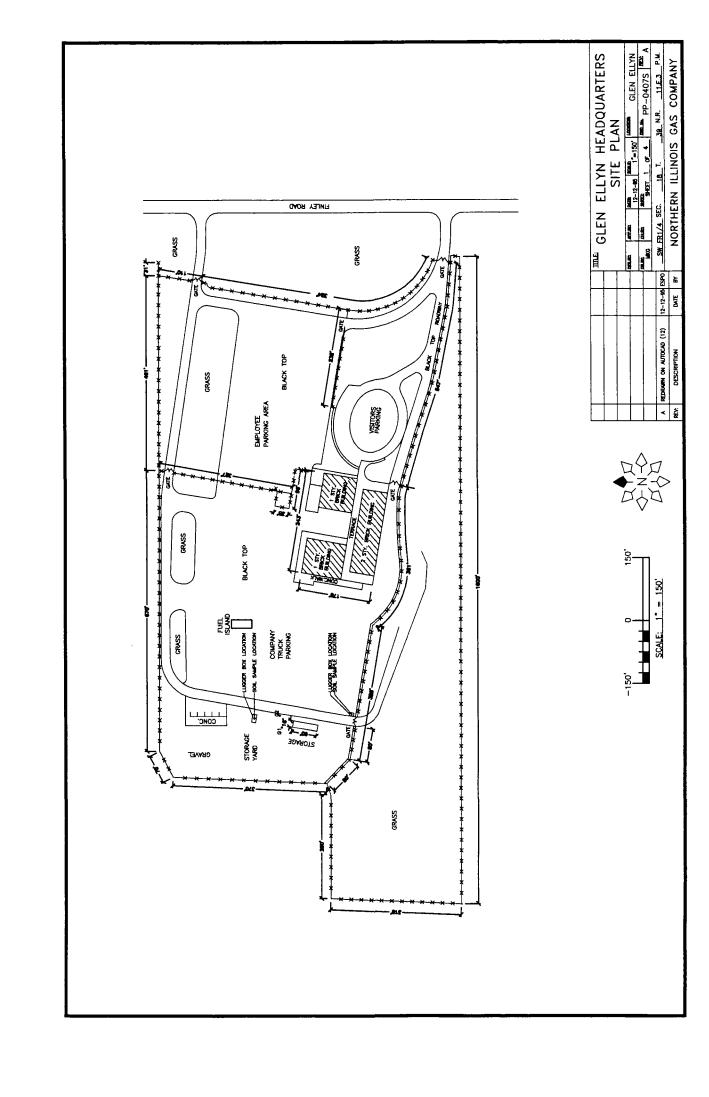
All Jerome Meter readings achieve objective (<0.010 mg Hg/m<sup>3</sup>).

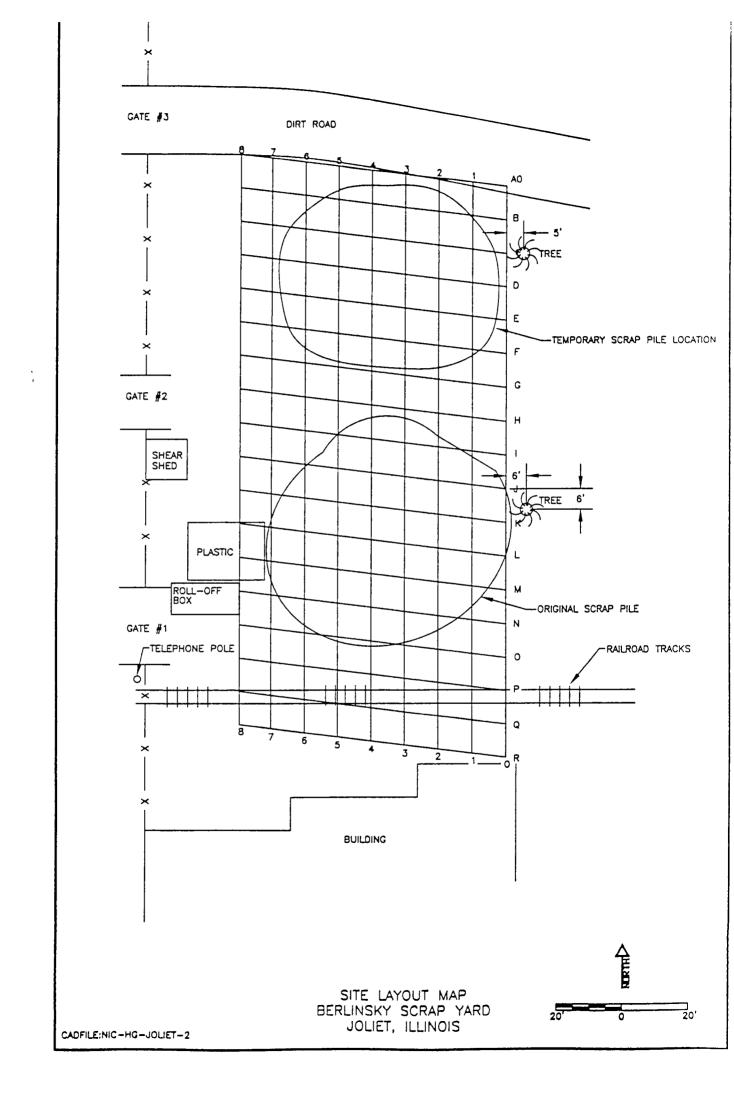
Soil sample results achieve objectives (<10 mg/kg, residential Tier 1 Objective; <8 mg/kg, soil component of Class I Groundwater Tier 1 Objective).

Work complete. No follow up required.

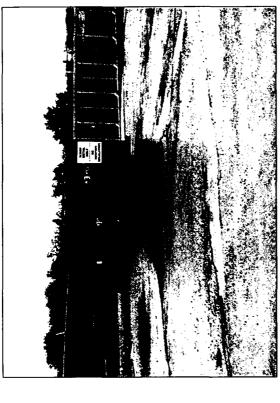
N/A – Not Applicable

 $E:\label{locality} E:\label{locality} IDOC\nor\mbox{Mercury} Reporting Centers\normal Summary Forms\normal Bellwood. doc$ 





Baker box (light grey) before removal from site



Berlinsky box before removal from site. Box located along south edge of property

4		Po.	<b>PG</b> (( )	IINGFIELD, ILLINOIS 82794-9278 IAM FORM LPC 82 8/81   IL532-	· -				PMENT OF HAZARID ICIAL WASTE
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		7. Transporter 2 Company Name	8.	US EPA ID Numb		E. IIII	nois Transporter's ID	)	sporter's Phone
		9. Designated Facility Name and Site Address	10.	US EPA ID Numb	)er	F. ( G. III	- Allia d.		
		Heritage Environmental 15330 Canal Bank Rd.				10	cility's Phone	141	6,2,000
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Metal Buyers and Recyclers

**Weight Ticket** 

1545 South Cicero Avenue Cicero, Illinois 60804 FAX 708/780-0510 TEL 708/780-6800

40105 #O

Customer

Address

11:55 AM 11 10 00 68134 61640 lb (1) 52360 lb TR 9280 l TB NET 10:53 AM 11 10 00 68120 51540 15 Truck / Trailer No.

Carrier

Driver

Weigher



#### 3020 Old Ranch Pkwy., Ste. 220, Seal Beach, CA 90740-2751 Corporate Headquarters: 562/430-6262 Local Branch: Toll Free 800 / Baker 12

RENTAL AGREEMENT 370719

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Lessee will not store	or inject any form of acid or acid solution or		
	als") in any Baker Tank(s) without first obtaini r may not be given by Baker management.	ng the prior written consent of Baker T	anks, Inc. ("Baker")
Some tanks are equi	pped with pressure/vacuum relief devices.	essee agrees not to tamper with or a	djust such a device
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TESTAMF ICA INC.

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Relinquished By:		Date	1 Time		Received By:			Date	Time		7	



Mr. Darren Greving HUFF & HUFF INC. 512 West Burlington Suite 100 LaGrange, IL 60525 01/02/2001

Job Number: 00.13970

IEPA Cert. No.: 100221 WDNR Cert. No.: 999447130

Enclosed is the Analytical and Quality Control reports for the following samples submitted to Bartlett Division of TestAmerica for analysis.

Project Description:

Sample	Sample Description	Date	Date
Number		Taken	Received
611519	Nicor Glen Ellyn North Box	12/20/2000	12/21/2000
611520	Nicor Glen Ellyn South Box	12/20/2000	12/21/2000
611521	Nicor Prospect Heights North Box	12/20/2000	12/21/2000
611522	Nicor Prospect Heights South Box	12/20/2000	12/21/2000

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. These results apply only to the samples analyzed. Reproduction of this report only in whole is permitted. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Procedures used follow TestAmerica Standard Operating Procedures which reference the methods listed on your report. Should you have questions regarding procedures or results, please do not hesitate to call. TestAmerica has been pleased to provide these analytical services for you.

This Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Approved by:

Project Manager

Page 1 of 8



#### ANALYTICAL REPORT

Mr. Darren Greving HUFF & HUFF INC. 512 West Burlington Suite 100 LaGrange, IL 60525

01/02/2001

Sample No. : 611519

Job No.: 00.13970

Sample Description: Nicor Glen Ellyn North Box

Date Taken: 12/20/2000 Time Taken: Date Received: 12/21/2000 Time Received: 16:45

Result Flag Units Reporting Date Analyst Analytical Limit Analyzed Initials Method Parameter % 0.1 12/29/2000 jht SM 2540 mg/kg dw 0.044 12/28/2000 efw2 SW 7471A 91.2 Solids, Total Mercury, CVAA 1.5



#### ANALYTICAL REPORT

Mr. Darren Greving 01/02/2001 HUFF & HUFF INC.

512 West Burlington Sample No.: 611520

Suite 100

LaGrange, IL 60525 Job No.: 00.13970

Sample Description: Nicor Glen Ellyn South Box

Date Taken: 12/20/2000 Date Received: 12/21/2000

Time Taken: Time Received: 16:45

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
Solids, Total	84.1		%	0.1	12/29/2000	jht	SM 2540
Mercury, CVAA	0.34		mg/kg dw	0.048	12/28/2000	efw2	SW 7471A

3, 0868?	MULTING CENTERS		1 C			095910	To Bronza Mass	None Level 2	(Betch OC)	Other:	REMARKS	PH-ELLOR								} }\	,		FIR COURT DATE
To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes? Compliance Monitoring	ر ا ا		State	GONLALTS	5.20117	) #Od						0 2								Action Variation		Method of Slapmant	vc73 NEEDED
To assist us in usir is this work being Compliano	Project Name: 1100K	Project #:	Site/Location ID:	Report To:	Invoice To:	Quote #.	Analyze For.												20 20 20 20 20 20 20 20 20 20 20 20 20 2	(1)	Date: 1 Time:	BAN THEBY	0 165
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U:	Client Name	Chy/State/Zip Code:	Project Manager:	Telephone Number:	Sampler Name: (Print Name)	Sampler Signature:		Standard Rush (surcharges may apply)	Date Needed: 3/23/6/	Fax Results: (Y) N	SAMPLE ID			7.7		2 ~	> '	7	1	17 17 18	Reinquistad By.		



#### ANALYTICAL REPORT

Sarah Monette HUFF & HUFF INC.

512 West Burlington

Suite 100

LaGrange, IL 60525

03/26/2001

Sample No. : 620547

Job No.: 01.02294

Sample Description:

G1

Nicor - Reporting Centers

Date Taken: 03/20/2001 Time Taken: \_

Date Received: 03/21/2001

Time Received: 16:30

Analyst Analytical Reporting Date Result Flag Units Parameter Analyzed Initials Method Limit SW 9045B pH, Non-Aqueous 8.67 units 0.10 03/23/2001 jht

MAR-26-2001 08:21 P.04



#### ANALYTICAL REPORT

03/26/2001 Sarah Monette

HUFF & HUFF INC.

512 West Burlington Sample No. : 620548

Suite 100

LaGrange, IL 60525 Job No.: 01.02294

Sample Description:

G2 Nicor - Reporting Centers

Date Taken: Time Taken: Date Received: 03/21/2001 03/20/2001

Time Received: 16:30

Analyst Analytical Parameter Result Plag Units Reporting Date Limit Analyzed Initials Method 0.10 03/23/2001 jht SW 9045B pH, Non-Aqueous 8.95 units

## Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site Information	
Site name:	Glenwood Reporting Center
Site location:	19199 Glenwood-Chicago Hts. Rd. Glenwood, IL 60425
Site contact and phone no:	Bob Purchase (815) 740-4100
2. Initial Site Visit	
Date of initial site visit: Huff & Huff personnel on site:	11/14/00 Darren Greving
No. of scrap piles: Scrap contained in: Box owner: Box ID no. Ground surface beneath scrap:	l Box ☑ Concrete bin ☐ On the ground ☐ Chicago Hts. Iron & Supply Co. not recorded Asphalt ☑ Gravel ☑ Concrete ☐ Soil ☑
Description of scrap: Lugger box overflowing with scrap me	tal. No Hg-type regulators visible.
Photographs attached:	Yes No No
Screening of scrap: Jerome Meter readings (mg Hg/ m³)	Yes No No
Scrap in lugger box (uncovered):	0.000 0.000 0.000 0.000 0.000
3. Scrap Metal Segregation	
Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	11/21/00 Sarah Monette D
Location where scrap was sorted: Figure attached:	Site Scrap yard Yes No

3. Scrap Metal Segregation (continued)	)					
Screening before segregation:	Yes 🗌 1	No 🖂				_
Description of segregation activities: Two empty rolloff boxes were delivered t 200292, 274543). Plastic sheeting was spread onto the asprolloff box (200292). Owner of lugger box (Chicago Hts. Iron & Scrap sorted with bobcat excavator and by No mercury-type regulators or mercury be Only one rolloff box needed (274543 not	phalt grouk Supply)  y hand; alleads ident	und surface dumped solven a solven surface sur	ce betwee	en the lug	gger box	
No. of Hg-type regulators:	0					
Volume of scrap: No. of scrap boxes shipped off-site: Location shipped to/via: Shipping papers attached:	United S Yes ⊠	box (2002 Scrap via ( No []	,	ansportat	ion	
Photographs attached:	Yes 🗌	No 🔀				
Screening after segregation: Jerome Meter readings (mg Hg/ m³) Empty scrap lugger box (uncovered): Ground beneath sort area (covered): Scrap in box shipped offsite (covered):	Yes \( \subseteq \) 0.000 0.000 0.000	0.000 0.000 0.000	0.003 0.003 0.000	0.003 0.003 0.003	0.003	0.003
4. Sample Collection and Analysis						
Soil samples collected:	Yes 🗌	No 🖂				
5. Additional Comments						
None.			· · · · · ·			

#### 6. Status

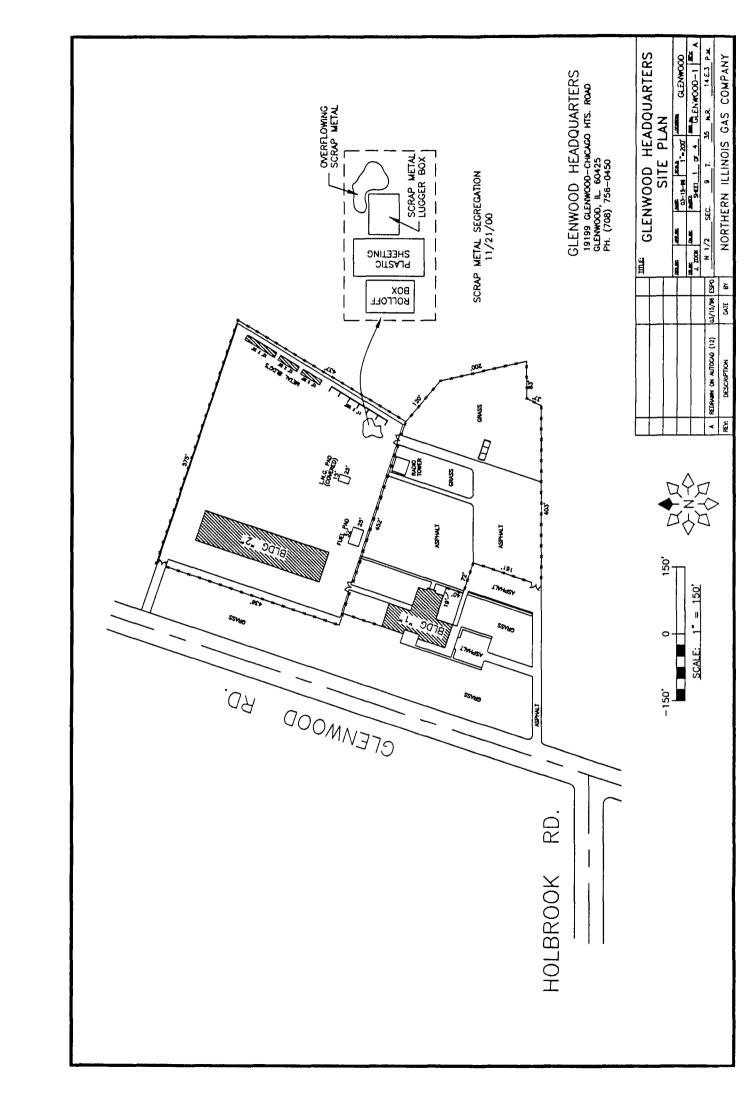
No mercury-type regulators identified.

All Jerome Meter readings achieve objective (<0.010 mg Hg/m<sup>3</sup>).

Work complete. No follow up required.

N/A – Not Applicable

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### 582282

21900 South Central Ave. Date Matteson, IL 60443 (708) 720-6000 **Delivery Date** Ship To: 16 < 10 14806 P.O. No. Shipper: WEIGHT(lb) C.O.D. PRODUCT DESCRIPTION AMOUNT LOAD . C. C NOW Price Tax **EMPTY** Total NET JICKET NO. SOURCE **ADDRESS** Nicor GLENWOOD 19199 GLENDON RA LOAD TIMES HOURLY 5 PORTAL TO PORTAL 2 4 Arrive けつ うう TIME LOCATION Begin Load End Load madezo Start Finish ヨシコ Depart // . ' > Total Ehr Total REQUESTED | REASON FOR DELAY TIME MANIFEST NUMBER: LOADER SIGNATURE DRIVER SIGNATURE OTSI TRAILER OTSI LINER? Y / N **HOW MANY? UNLOAD TIMES** ROLL OFF BOX NUMBERS 4 5 3 DROPPED Arrive AT CUSTOMER Begin Unload End Unload PICKED UP AT CUSTOMER 2009 Depart | COMMENTS Total REQUESTED REASON FOR DELAY TIME

**CUSTOMER COPY** 

TRUCK #

s la

OTSI TRAILER

RECEIVER SIGNATURE

DRIVER SIGNATURE

STRAIGHT BILL OF LADING — SHORT FORM — Original — Not Negotiable	- Not Negotiable	Shipper's No. <b>O31105500</b>	05500
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9-BLS-A3 (Rev. 7/95)

United Strap

Metal Buyers and Recyclers

**Weight Ticket** 

1545 South Cicero Avenue Cicero, Illinois 60804

FAX 708/780-0510 TEL 708/780-6800 20029 7

ddress Herry SESPIDIO

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## Heritage Environmental Services, LLC Field Services Daily Job Summary

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## Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site Information	
Site name:	Hudson Storage Field, Station #41
Site location:	3 mi. N of I-55, 3 mi. E of Rte. 51 Hudson, IL 61748
Site contact and phone no:	Bob Purchase (815) 740-4100
2. Initial Site Visit	
Date of initial site visit: Huff & Huff personnel on site:	10/26/00 Homa Rizvi
No. of scrap piles: Scrap contained in: Ground surface beneath scrap:	2 Box Concrete bin On the ground Asphalt Gravel Concrete Soil
	est end of the building, 54 feet apart. Both scrap piles bined). The scrap contained large pieces of concrete-maller metal scrap.
Photographs attached:	Yes ☐ No ⊠
Screening of scrap:	Yes 🖂 No 🗌
Jerome Meter readings (mg Hg/ m³) Scrap in Pile 1 (uncovered): Scrap in Pile 2 (uncovered):	0.000       0.000       0.000       0.000       0.000       0.000         0.000       0.000       0.000       0.000       0.000       0.000
3. Scrap Metal Segregation	
Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	11/08/00 Homa Rizvi D
Location where scrap was sorted: Figure attached:	Site Scrap yard Strap Yes No Strap Yes

3. Scrap Metal Segregation (continued	)	· · · · · · · · · · · · · · · · · · ·				
Screening before segregation: Jerome Meter readings (mg Hg/ m³)	Yes 🛛 1	No 🗌				
Scrap in Pile 1 (uncovered): Scrap in Pile 2 (uncovered):	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
Description of segregation activities: An empty rolloff box was delivered to to 200277). No plastic sheeting was spread onto the in the pile. The scrap was transferred into the rollog No mercury-type regulators or mercury	ground b	ecause no	regulators	s of any k		visible
No. of Hg-type regulators:	0					
Volume of scrap: No. of scrap boxes shipped off-site: Location shipped to/via: Shipping papers attached:	20 cubic 1 United S Yes ⊠	Scrap via (	Ozinga Tr	ansportat	ion	
Photographs attached:	Yes 🔀	No 🗌				
Screening after segregation: Jerome Meter readings (mg Hg/ m³) Ground beneath scrap piles (covered):	Yes S1 0.000 S7	No	S3 0.003	S4 0.003	S5 0.000	S6 0.000
Scrap in box shipped offsite (covered):	0.000	0.000	0.000	0.000	0.000	0.000
4. Sample Collection and Analysis	<del></del>					
Soil samples collected:	Yes 🗌	No 🖂				
5. Additional Comments None.						

#### 6. Status

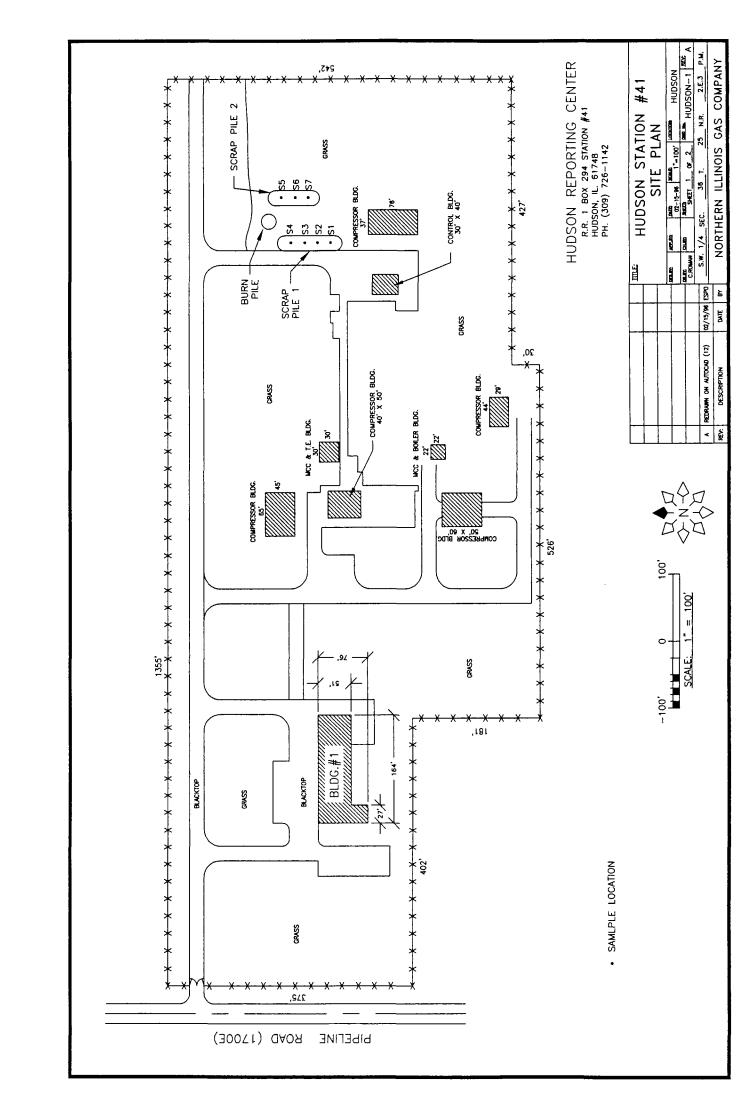
No mercury-type regulators identified.

All Jerome Meter readings achieve objective (<0.010 mg Hg/m³).

Work complete. No follow up required.

N/A – Not Applicable

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#### HUDSON STORAGE FIELD AFTER SCRAP REMOVAL November 8, 2000





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FREIGHT CHARCES proate Box: , prepaid	Check Appro	Subject to Section 7 of the conditions if this shipment is to be delivered to the consigner without recorded in the consigner without recorded in the consigner without statement.  The currier shall not make delivery of this shipment without pay ment of fieight and all other charges.	on salice, shippiens are de greed in declared value (sign rs, ichartehy checifically (ins	That is former the rate of dependent is countried up at a feeling the countries of the property of the propert
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## Nicor Gas Inspection Form Huff & Huff, Inc.

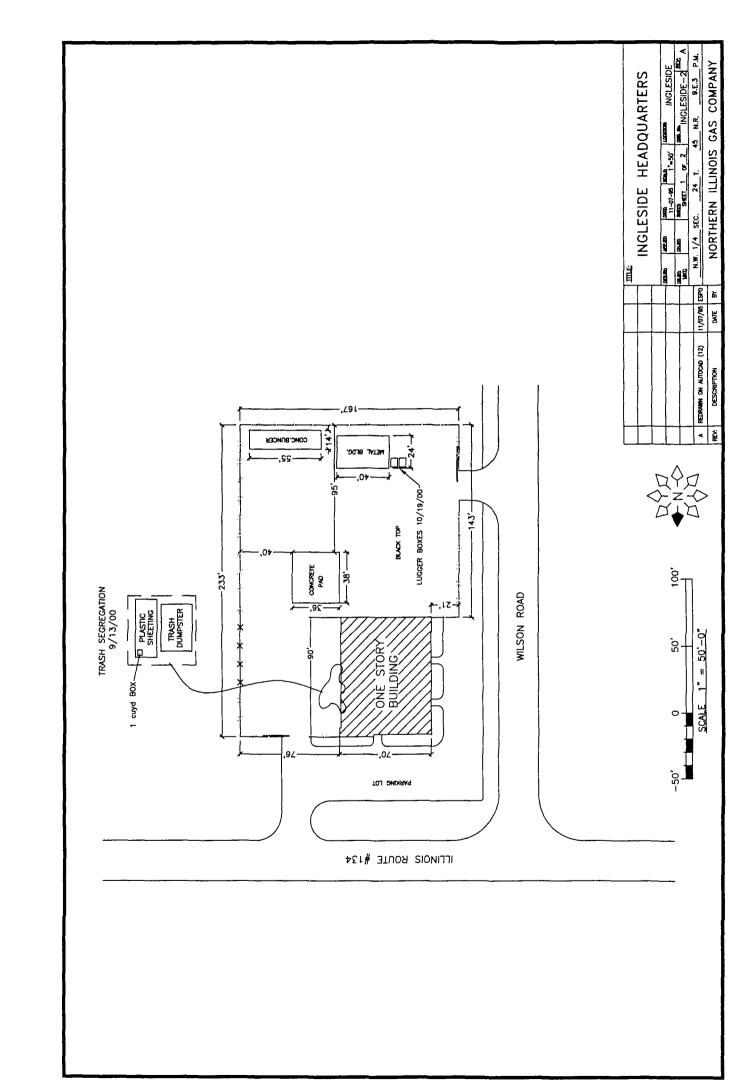
1. Site Information				·		
Site name:	Ingleside Rep	porting Center	: Trash Dumpster	•		
Site location:	1201 E. Rout Ingleside, IL					
Site contact and phone no:	Mike Hender	rson (708) 54	44-5707			
2. Initial Site Visit		-				
Date of initial site visit: Huff & Huff personnel on site:	09/13/00 Lisa Paulson					
No. of trash piles: Trash contained in: Box owner: Box ID no. Ground surface beneath trash:	not recorded not recorded		On the ground   ncrete   Soil			
Description of trash: Trash contained in dumpster. Dumpster Gas reported potential mercury in dumps	_	lastic sheeting	and caution tape.	. Nicor		
Photographs attached:	Yes 🛛 No 🗌					
Screening of trash:  Jerome Meter readings (mg Hg/ m³)  Top of dumpster (covered):  ½ Down dumpster (covered):	Yes No 0.041 0.087	0.015 0.007	0.007 0.003	0.004 0.003		
3. Trash Segregation						
Date of trash segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	09/13/00 Lisa Paulson D					
Location where trash was sorted: Figure attached:	Site Scrap	yard 🗌				

3. Trash Segregation (continued)	···								
Screening before segregation:	Yes 🛛 N	No 🗌 (Se	e "2. Initi	ial Site Vi	sit": same	day.)			
Description of segregation activities:  A one-yard cardboard box was lined with plastic sheeting.  Plastic sheeting was spread onto the asphalt ground surface between dumpster and one-yard box.  Trash sorted by hand.  No mercury-type regulators or mercury beads identified.									
No. of Hg-type regulators:	0								
Volume of trash: No. of trash boxes shipped off-site: Location shipped to/via: Shipping papers attached:	1 cubic y 1 one-ya Heritage Yes	rd box via Herita	ge						
Photographs attached:	Yes 🔀	No 🗌							
Screening after segregation:  Jerome Meter readings (mg Hg/ m³)  Empty dumpster before cleaning (uncovery Asphalt between dumpster/bldg (covery Asphalt beneath dumpster (covered	ed):	No	0.028 0.000 0.000	0.049 0.000 0.000	0.106 0.000	0.052			
4. Sample Collection and Analysis				·	a polici portico				
Soil samples collected:	Yes 🗌	No 🛚							
5. Additional Comments									
Illinois EPA present on 09/13/00 (Ed Osowski & Gino Bruni). Heritage cleaned the dumpster after removal of the trash. Achieved an average mercury vapor level of less than 0.010 mg/cu m; however, Heritage has not been able to locate their final readings after cleaning.									

6. Status
No mercury-type regulators identified.
Final Jerome Meter readings achieve objective (<0.010 mg Hg/m <sup>3</sup> ).
Work complete. No follow up required.

N/A – Not Applicable

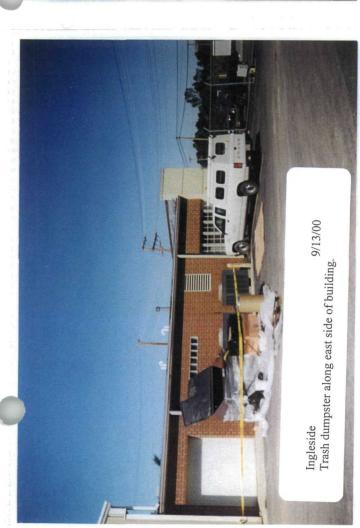
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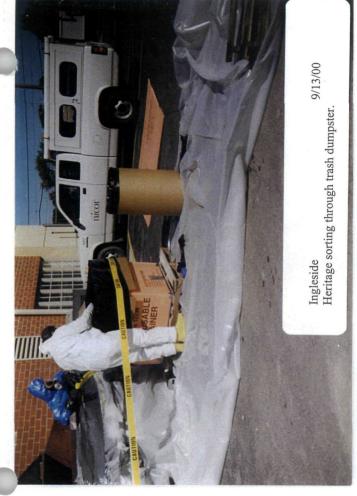


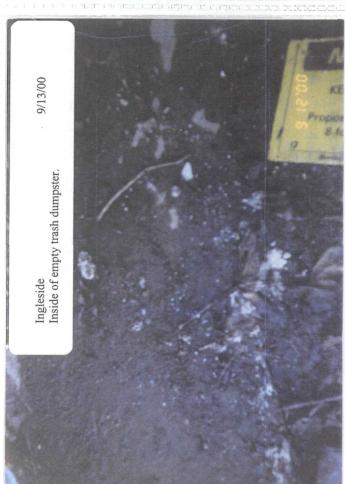
## Heritage Environmental Services, LLC Field Services Daily Job Summary

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Customer Acceptance Particular Note Date: 11-8-00







Ingleside 9/13/00 Trash dumpster along east side of building.

# Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site Information	
Site name:	Ingleside Reporting Center: Scrap Metal
Site location:	1201 E. Route 134 Ingleside, IL 60041
Site contact and phone no:	Mike Henderson (708) 544-5707
2. Initial Site Visit	
Date of initial site visit: Huff & Huff personnel on site:	10/19/00 Darren Greving
No. of scrap piles: Scrap contained in: Box owner: Box ID no. Ground surface beneath scrap:	2 Box Concrete bin On the ground Elgin Salvage ES2003, ES1421 Asphalt Gravel Concrete Soil
Description of scrap: Regulators visible in ES2003; no Hg-type No regulators identified in EES1421; mo	<del>-</del>
Photographs attached:	Yes No No
Screening of scrap: Jerome Meter readings (mg Hg/ m³) Scrap in Box ES2003 (uncovered): Scrap in Box ES1421 (uncovered):	Yes No \( \bigcap \) 0.000 \( 0.000 \) 0.000 \( 0.000 \) 0.000
3. Scrap Metal Segregation	
Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	11/08/00 Sarah Monette D
Location where scrap was sorted: Figure attached:	Site ☐ Scrap yard ⊠ Elgin Salvage Yes 図 No ☐

3. Scrap Metal Segregation (continued)	)							
Screening before segregation: Jerome Meter readings (mg Hg/ m³) sorting area ground surface (covered):	Yes 🔀 1	No   0.004	0.001	0.000				
Description of segregation activities:								
Box ES2003 had been delivered to the Elgin Salvage scrap yard for segregation, (as well as ES2063 and ES164 and Elgin Rptg Ctr and Welding School).  (Box ES1421 was not sorted because contained copper only.)  A one-yard cardboard box was lined with plastic sheeting.  Plastic sheeting was spread onto the soil ground surface adjacent to the Elgin Salvage scrap pile.  Box ES2003 was emptied onto the plastic sheeting.  Scrap sorted by magnetic crane and by hand. Scrap transferred to Elgin Salvage scrap pile.  Upon completion of sorting, the used plastic sheeting was placed into a plastic garbage bag, along with PPE to be managed by Heritage.  No mercury-type regulators or mercury beads identified.								
No. of Hg-type regulators:	0							
Volume of scrap: No. of scrap boxes shipped off-site: Location shipped to/via: Shipping papers attached:		e yards ed at Elgin No 🔀 N						
Photographs attached:	Yes 🗌	No 🖂						
Screening after segregation:  Jerome Meter readings (mg Hg/ m³)  Box 2003, empty (uncovered): scrap pile during sort (uncovered): Plastic, PPE after sort (covered): Soil beneath sort area (covered):	Yes \( \subseteq \) 0.000 0.000 0.000 0.000 0.000	No	0.000 0.000 0.003 0.003	0.005 0.000 0.000 0.004	0.000 0.000 0.000	0.003 0.003 0.000		
4. Sample Collection and Analysis	···							
Soil samples collected:	Yes 🗌	No 🛛						
5. Additional Comments	···							
None.								

## 6. Status

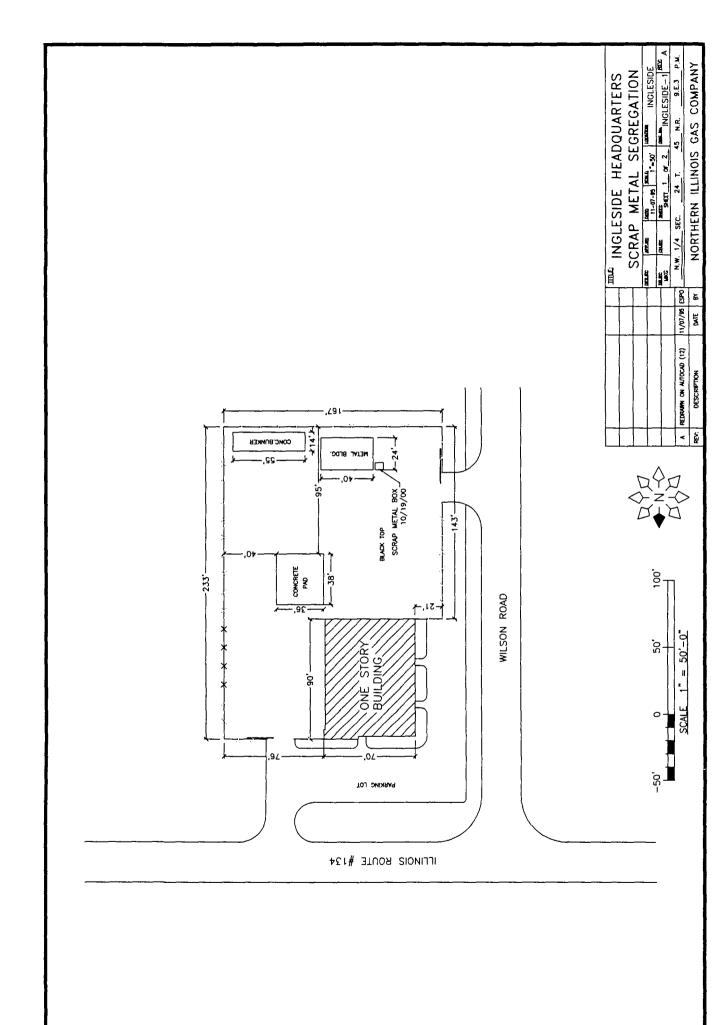
No mercury-type regulators identified.

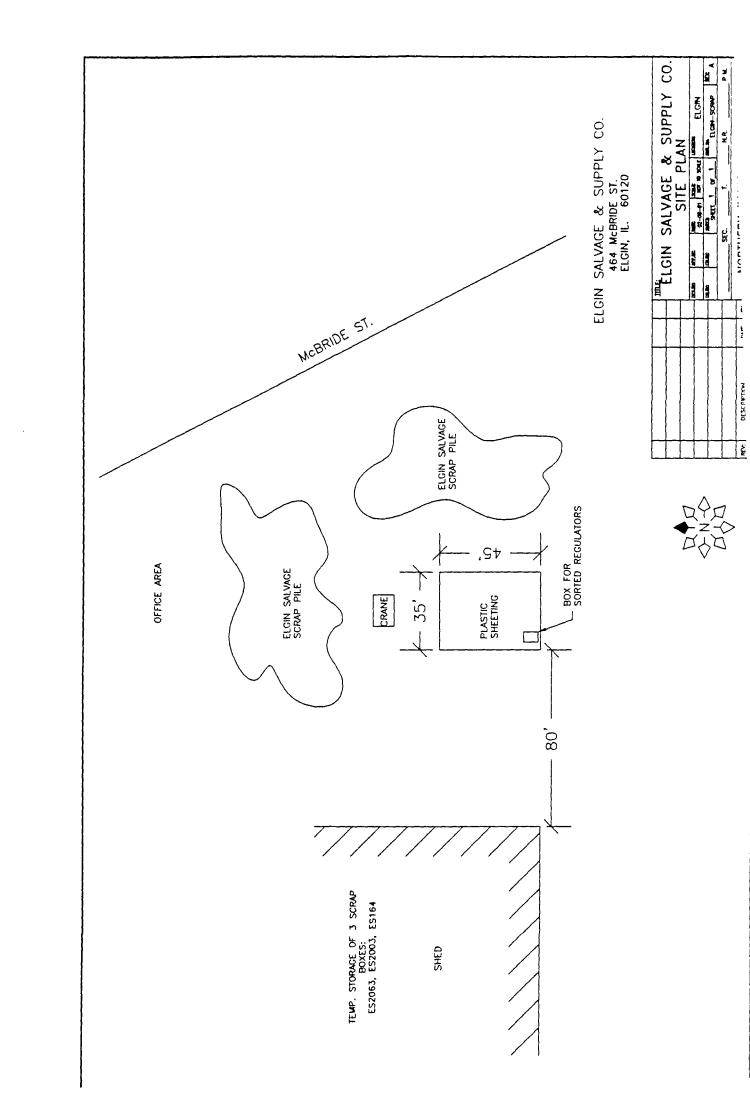
All Jerome Meter readings achieve objective (<0.010 mg Hg/m<sup>3</sup>).

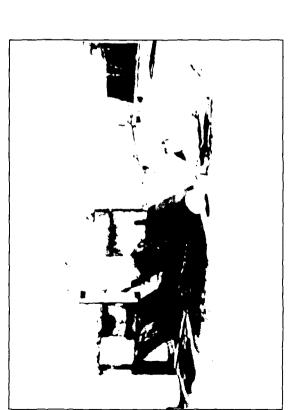
Work complete. No follow up required.

## N/A – Not Applicable

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Roll-off box



Inside of roll-off box

## Heritage Environmental Services, LLC Field Services Dally Job Summary

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# Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site Information							
Site name:	Joliet Reporting Center						
Site location:	3000 E. Cass St. Joliet, IL 60431						
Site contact and phone no:	Bob Purchase (815) 740-4100						
2. Initial Site Visit							
Date of initial site visit: Huff & Huff personnel on site:	09/02/00 James E. Huff						
No. of scrap piles: Scrap contained in: Box owner: Box ID no.: Ground surface beneath scrap:	3 Box ☑ Concrete bin ☐ On the ground ☐ Berlinsky (2), Baker(1) BSC R2003, BSCR2012, R25625RT Asphalt ☑ Gravel ☐ Concrete ☐ Soil ☐						
	ned scrap metal, including spring-loaded by Heritage for future sorting. Nicor use						
Photographs attached:	Yes 🛛 No 🗌						
Screening of scrap: Jerome Meter readings (mg Hg/ m³) Each of three boxes (uncovered):	Yes No \( \bigcap \) 0.000 \( 0.000 \) 0.000 \( 0.000 \)	0.000 0.000					
3. Scrap Metal Segregation							
Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	11/20/00 and Sarah Monette, Jose Gonzalez D	12/8/00 Darren Greving					
Location where scrap was sorted: Figure attached:	Site ☐ Scrap yard ☒ Berlinsky, 11/20/00 and United, 12/08/00 Yes ☒ No ☐						
Screening before segregation:	Yes □ No ⊠						

### 3. Scrap Metal Segregation (continued)

Description of segregation activities at Berlinsky's (11/17/00 and 11/20/00):

The two Berlinsky lugger boxes were transferred to the Berlinsky Scrap yard to be sorted. Transfer on (11/17/00 and 11/20/00).

Plastic sheeting was spread onto the soil ground surface between the lugger boxes and the Berlinsky Scrap pile.

The scrap was sorted on the plastic sheeting and then transferred to the pile, using a magnetic crane and by hand. Both mercury-type and spring loaded regulators removed.

Seven mercury-type regulators were identified and placed into a 1 cu yd box lined with plastic sheeting.

No mercury beads were identified.

No. of Hg-type regulators: Location shipped to/via: Manifests attached:	7 Heritage via Heritage (with Berlinsky sorted Hg-type regulators) Yes ⊠ No □								
Volume of scrap: No. of scrap boxes shipped off-site: Location shipped to/via:	went to	e yards d at Berlin Newton C oaded regu	County La						
Shipping papers attached:		No N							
Photographs attached:	Yes 🗌	No 🖂							
Description of segregation activities at Un The scrap was unloaded onto a concrete All readings were 0.000 mg/m <sup>3</sup> . Sorted mercury beads observed.	pad, cov	ered with							
Mercury vapor screening: @ Joliet Reporting Center 11/29/00 Beneath Berlinsky Box (cover	red)	0.000	0.000	0.000	0.000	0.000			
@ Berlinsky 11/20/00 Empty Lugger Box	0.000	0.000	0.000	0.000	0.000	0.000			
@ United									
12/8/00 Sorted boxes	0.000	0.000	0.000	0.000					
Spring-type regulators (covered)	0.000	0.000	0.000	0.000					
Other scrap (covered)	0.000	0.000	0.000	0.000					

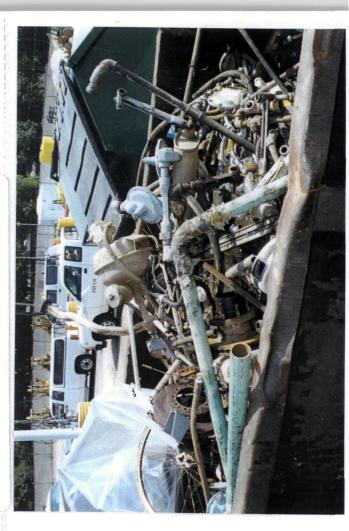
4. Sample Collection and Analysis	
Soil samples collected:	Yes No No
5. Additional Comments	
None.	
6. Status	
Seven mercury-type regulators identified.	
All Jerome Meter readings achieve objective	ve ( $<0.010 \text{ mg Hg/m}^3$ ).
Work complete. No follow up required.	

N/A – Not Applicable

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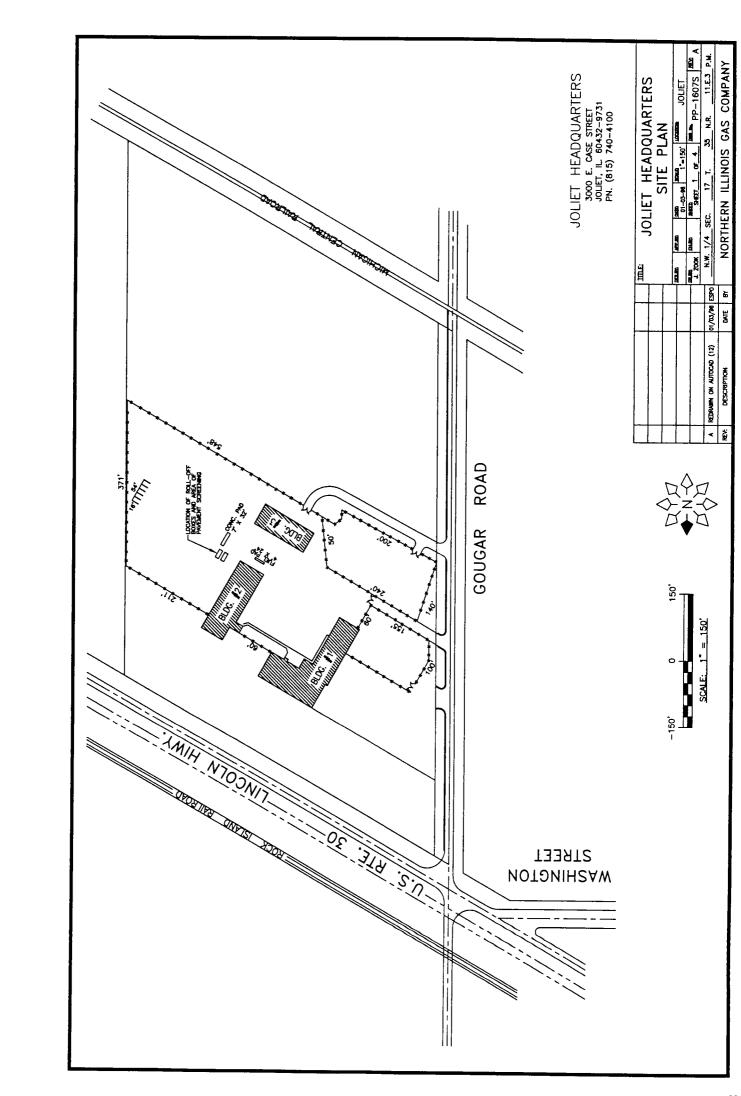


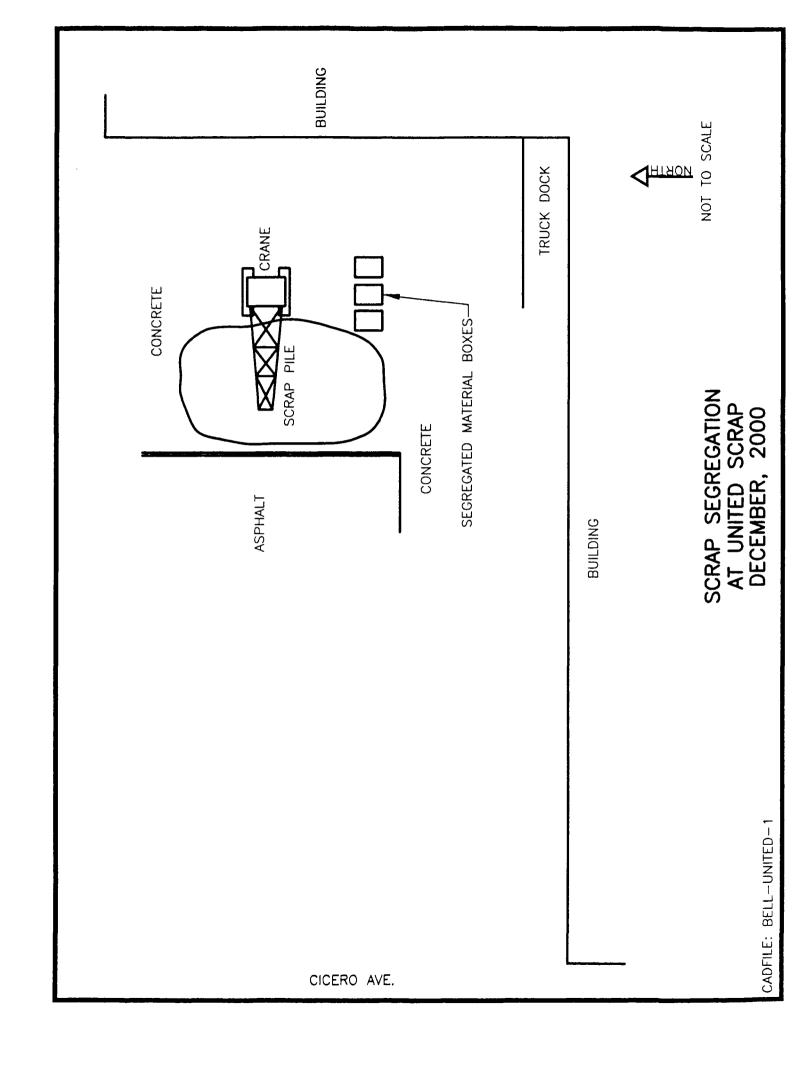
Nicor Joliet- 9/2/2000 Scrap inside of Roll-off Box



Nicor Joliet- 9/2/2000 Scrap inside of Roll-off Box







SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761

FOR SHIPMENT OF HAZARDOUS AND SPECIAL WASTE

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P	18 Transporter 2	Acknowledgement	t of Receipt of	Materials	1100-	1		<del></del>			Date
TER	Printed/Typed	Name		· · · · · · · · · · · · · · · · · · ·	Signature						Month Day Year
۲	19. Discrepancy I	ndication Space	··-·						<del></del>		<u></u>
F										•	
1											,
7	20. Facility Owner Printed/Typed	r or Operator: Cert Name	ification of rec	eipt of hazardous	s materials covered	by this mar	nifest excep	ot as no	oted in item 19.		Date  Month Day Year
1	. Innouriped				Oignature						1



21900 South Central Ave. Matteson, IL 60443

E 614933 14903 Date 8 Dec 00

(708) 720-6000		D	elivery Date	e			
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Shipper:					P.O	. No	
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**CUSTOMER COPY** 

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Shipper No. (97445502)

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	9	Oringa	- 1	(Name of Carrier)	Date		
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Destination	CIC 411	Γ	Zip Code 66 804	Origin , 011C+	T	Zip Code	le (004 3)
Route:				ı.	Vehic	Vehicle No.	
No. Shipping Units	King	d of Packaging Special Ma	Kind of Packaging, Description of Articles Special Marks and Exceptions	<b>9</b>	Weight (Subject to	RATE	CHARGES
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REMIT C.O.D. TO:			€	C.O.D. FEE: PREPAID CO.	TOTAL	AL. \$	,
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Note Where required to stati	Note-Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value	ue, shippers are or declared value	Subject to Section 7 of the delivered to the consignee withou	Subject to Section 7 of the conditions, if this shipment is to be delivered to the consigner, the con-		FREIGHT CHARGES	93
or the property. The agreed or	the property. The agreed or declared value of the property is hereby specifically	ereby specifically	E X	the following statement. If not make delivery of this shipment without pay.	ay- Check Appropriate Box:	oriate Box:	
stated by the sf	stated by the shipper to be not exceeding stated by the shipper to be not exceeding		ment of freder ment ather charges	harges A	Freight pressi	יים מים	المرام (
	her her		Particon(S)	The Considered	11.R.3	חופלפות	רחווהרי

RECEIVED. subject to the classifications and lawfully filed taniffs in effect on the date of the issue of this Bill of Lading. the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said canner (the word canner being understood throughout this contract as meaning any person or corporation in possessinn of the property under the contract) agrees to carry to its usually agreed as to each canner of all or any of. said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of laung terms and conditions in the governing classification on the date of the shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his

	CARRIED ON SACA	PERMINALA DATE 17-8-0	
	Nicolo Gas	James James	
assigns:	SHIPPER	PER	There

1005. FORM No. 38411

Made in U.S.A.



Metal Buyers and Recyclers 1545 South Cicero Avenue

**Weight Ticket** 

FAX 708/780-0510 TEL 708/780-6800 Cicero, Illinois 60804

I as e a sca

10:03 RM 12 08 00 69391 46900 lb (1) 44260 lb TR 2640 1 IB MET Date: 9:29 AM 12 08 00 69385 46900 16 Truck / Trailer No. Customer

Driver



SCHEDULED DELIVERY DATE/TIME

3020 Old Ranch Pkwy., Ster 220, Seal Beach, CA 90740-2751

Corporate Headquarters: 562/430-6262 Local Branch: Toll Free 800 / Baker 12 RENTAL AGREEMENT 378077

FOR OFFICE USE ONLY	RENTED TO CHICLIAN	YOUR ORDER NO.	12/08/00
JOB NO.	15330 (lend PK	JOB TAME	l _
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TO ABOVE LOCATI	ION, START RENT DATE		
TRANSFER FROM			TO ABOVE LOCATION
TO BAKER YARD, S	STOP RENT DATE 12 08 (TO		
1. TANK NEEDS CL	EANING Y/N FYES, HOW MUCH FLUID	DESCRIPTION	· · ·
2. DAMAGES OR N	NISSING EQUIPMENT OF TANKS (S) Y N DESCRIBE	E:	
8-3" VII	05 4 do pin hotes, tarp	A 10	
- MISSING	tamp 4 I how hold		
QMS LEVEL I COMP	LETED (INSPECTION INITIALS)		i
TRACTOR # 2111	START STO	PNETTIME	will call
I HAVE INSTALLED	EUARD RAILS LADDER TIE DOWNS IN A SAFI	E CONDITION P.V. VALVE	(WHEN APPLICABLE).
OPEI	RATOR:		
	the Baker Portable Tank(s) described in this Renta		
	ne reverse side hereof, for a term beginning on the either party to the other.	e date hereof and ending on v	written or oral notice of
Lessee will not store	or inject any form of acid or acid solution or other		
	Ils") in any Baker Tank(s) without first obtaining the may not be given by Baker management.	e prior written consent of Bake	er Tanks, Inc. ("Baker")
Some tanks are equi	pped with pressure/vacuum relief devices. Lesse	ee agrees not to tamper with o	or adjust such a device
	onsent of Baker management.		
Lessee has inspecte	ed the tank(s) rented nursuant to this Bental Agri	eement after their installation	by Baker Tanks, Inc.,
	ed the tank(s) rented pursuant to this Rental Agro e tank(s) are in good condition and that the installat	ion is accepted by Lessee.	
	e tank(s) are in good condition and that the installat	ion is accepted by Lessee.	
	e tank(s) are in good condition and that the installat	ion is accepted by Lessee.	
		ion is accepted by Lessee.	

ACTUAL DELIVERY DATE/TIME

DRIVER INITIALS

**CUSTOMER INITIALS** 

# Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site Information							
Site name:	Kankakee Reporting Center						
Site location:	2704 Festival Dr. Kankakee, IL 60901						
Site contact and phone no:	Bob Purchase (815) 740-4100						
2. Initial Site Visit							
Date of initial site visit: Huff & Huff personnel on site:	11/14/00 Darren Greving						
No. of scrap piles: Scrap contained in: Ground surface beneath scrap:	1 Box  Concrete bin  On the ground  Asphalt  Gravel  Concrete  Soil						
	ritage/Nicor sorted through the pile previously and f regulators and 1 drum of PPE on site. Also, one Hg-						
Photographs attached:	Yes No 🖂						
Screening of scrap: Jerome Meter readings (mg Hg/ m³) Scrap in bin (uncovered):	Yes No						
3. Scrap Metal Segregation							
Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	11/21/00 Sarah Monette D						
Location where scrap was sorted: Figure attached:	Site Scrap yard Strap Yes No Strap						

3. Scrap Metal Segregation (continued	l)				V		
Screening before segregation:	Yes 🔲 1	No 🛚					
Description of segregation activities:							
An empty rolloff box was delivered to box 274157).	the site a	and lined	with plast	ic sheetin	ng (Rain 1	for Rent	
Plastic sheeting was spread onto the asphalt ground surface between the scrap bin and the rolloff box.							
The scrap was sorted on the plastic sheeting and then transferred into the rolloff box, using bobcat excavator and by hand.							
Two Hg-type regulators were identified and placed into a plastic-lined 55-gallon drum. Too much scrap was present to fit into the rolloff box. Approx. 1 cubic yard of scrap was lef at the site, returned to bin. No regulators were present in the remaining scrap. No mercury beads were identified.							
No. of Hg-type regulators: Location shipped to/via: Manifests attached:	2 (1 drum) Heritage via Heritage Yes ☑ No ☐						
Volume of scrap:  No. of scrap boxes shipped off-site:  Location shipped to/via:  Shipping papers attached:  20 cubic yards  1 rolloff box (box no. 274157)  United Scrap via Ozinga Transportation  Yes ☑ No ☐							
Photographs attached:	Yes No No						
Screening after segregation: Jerome Meter readings (mg Hg/ m³)	Yes 🔀	No 🗌					
Bin (1 cu yd scrap remain; uncovered): Ground beneath sort area (covered):	$0.000 \\ 0.000$	$0.000 \\ 0.000$	0.000 $0.000$	$0.000 \\ 0.000$	0.000	0.000	
Scrap box shipped offsite (covered):						0.000	
4. Sample Collection and Analysis		·					
Soil samples collected:	Yes 🗌	No 🖂					
5. Additional Comments				<u>.</u> ,			
None.							
N/A – Not Applicable							

Nicor Gas Inspection Kankakee Reporting Center

### 6. Status

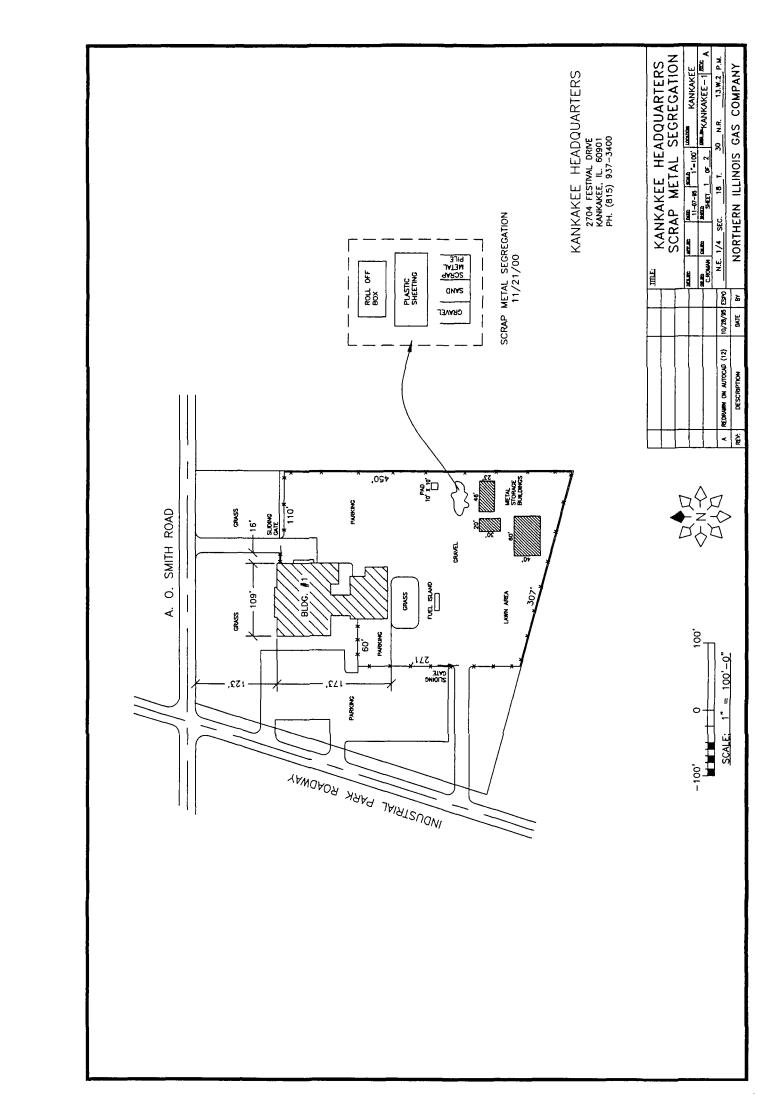
Two mercury-type regulators identified.

All Jerome Meter readings achieve objective (<0.010 mg Hg/m<sup>3</sup>).

Work complete. No follow up required.

 $\overline{N/A}$  – Not Applicable

 $E:\label{loc-Nicor-Mercury-Reporting-Centers-Summary-Forms-Kankakee.doc} E:\label{loc-Nicor-Mercury-Reporting-Centers-Summary-Forms-Kankakee.doc} E:\label{loc-Nicor-Mercury-Report-R$ 



20. Facility Owner of Operator: Certification of society of hazardous materials covered by his manifest except as point in item 19.

Date

Printed/Typed thank

Agency is authorized to require, pursuant to limited Physical Statute, 1989, Chapter 134 1/2, Section 1004 and 102( than this fillowing the superior of the Agency Failure to provide a information may result in a civil penalty against the somer or operator not to expend \$25,000 per day of violation. Ealstication of this information may result in a fine up to \$50,000 or day of violation and imprisonment up to 5 years. This form has been approved by the Forme Management Center.

COPY 1 TSD MAIL TO GENERATOR



TRANSPORTA	TION SYSTEMS. I	A NG.			<del>E 53</del>	<del>4108</del>	- 14481
21900 So Mattes	uth Central Ave. on, IL 60443 ) 720-6000		Date/	,	n: 11-24	√ 19 C	00
Ship To:		^	SCRA				
Shipper: _	HUFF		ID, IL		P.O	. No/	4481
	WEIGHT(lb)	Р	RODUCT	DESCRIP	TION	C.O.D.	AMOUNT
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Start 73	Mar Hala	Begin Load	0945				
Finish 113	> Mattion	End Load	11:00		ļ	<del> </del>	
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DROPPED	OX NUMBERS		920	2	3	4	5
AT CUSTOMER!	1 CITI 6	Arrive Begin Unload	7.30		<del> </del>		
PICKED UP AT CUSTOMER	274157	End Unload Depart	10:00				
LIVEL	OAD	Total REQUI		ON FOR DE	LAY		
			ER SIGNATUR	RE		-	<u> </u>
			01011171125	)		Trough at	

2ND OFFICE COPY



**Weight Ticket** 

Metai Buyers and Recyclers 1545 South Cicero Avenue Cicero, Illinois 60804 FAX 708/780-0510 TEL 708/780-6800

レン・フレ2 154

9:32 AM 11 24 00 68751 60720 15 Truck / Trailer No. D# 37962 5:5 Customer

STEFE

Carrier

Driver

Weigher

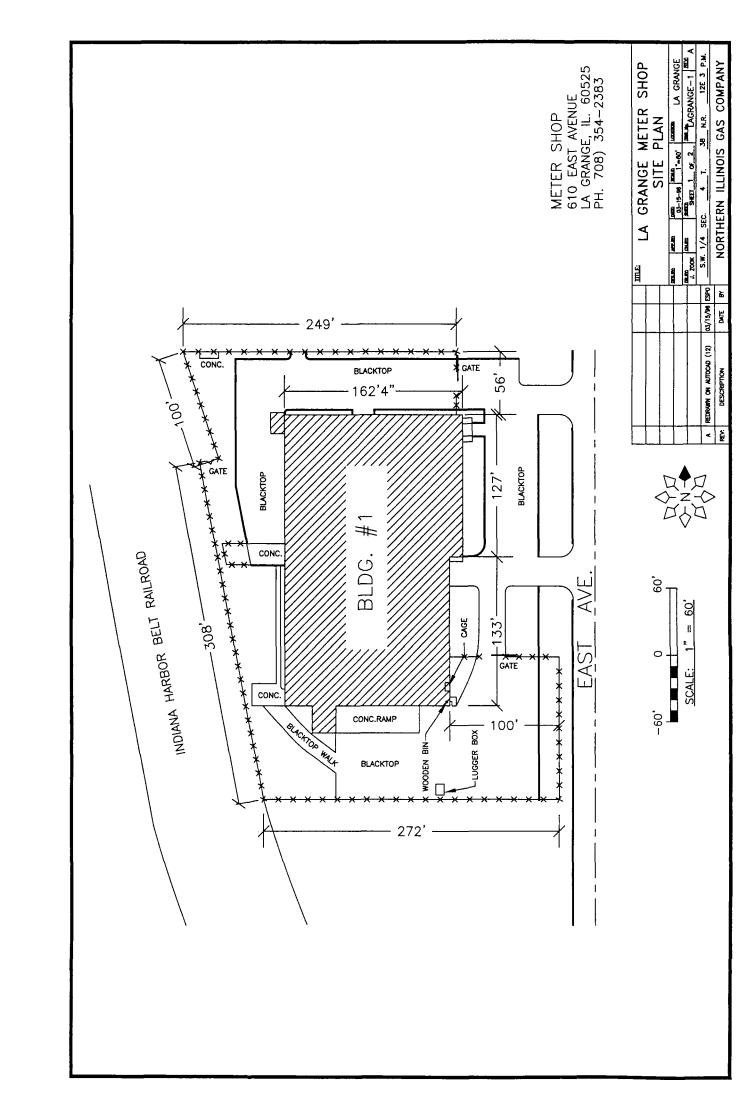
# Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site Information	
Site name:	LaGrange Meter Shop
Site location:	610 East Ave. LaGrange, IL 60525
Site contact and phone no:	Mike Henderson (708) 544-5707
2. Site Visits	
First Visit Date of site visit: Huff & Huff personnel on site:  No. of scrap piles: Scrap contained in: Box owner: Box ID no. Ground surface beneath scrap:  Description of scrap: Wooden box with approximately 40 spring fenced cage area. A broken manometer process.	09/07/00  James E. Huff & Lisa Paulson  1  Box ∑ Concrete bin ☐ On the ground ☐  LaGrange Meter Shop  LaGrange Meter Shop  Asphalt ☐ Gravel ☐ Concrete ∑ Soil ☐  ng-loaded regulators. Located inside building, next to bresent inside a drum, inside the cage.
Photographs attached:	Yes ⊠ No □
Screening of scrap: Jerome Meter readings (mg Hg/ m³) Floor (uncovered): Box interior (uncovered):	Yes No \( \subseteq \text{0.005} \) 0.000 \( 0.000 \) 0.000 \( 0.000 \) 0.000 \( 0.000 \) 0.000 \( 0.000 \) 0.000 \( 0.000 \) 0.000
Second Visit  Date of site visit:  Huff & Huff personnel on site:	11/30/00 Lisa Paulson
No. of scrap piles: Scrap contained in: Box owner: Box ID no. Ground surface beneath scrap:	l Box ⊠ Concrete bin ☐ On the ground ☐ LaGrange Meter Shop LaGrange Meter Shop Asphalt ☐ Gravel ☐ Concrete ☒ Soil ☐

2. Site Visits (continued)									
Description of scrap: Same as first site visit, but manometer no manometer from site.	o longer pre	esent. Acc	cording to	Nicor G	as, SET r	emoved			
Photographs attached:	Yes 🗌 N	No 🖂							
Screening of scrap: Jerome Meter readings (mg Hg/ m³)	Yes 🛛 N	Vo 🗌							
Floor (uncovered):	0.005	0.010	0.003	0.003	0.004	0.005			
Breathing zone:	0.005 0.003 0.003	0.005 0.004 0.003	0.003 0.003 0.000	0.004 0.003	0.003	0.000			
Third Visit									
Date of site visit:	01/11/01								
Huff & Huff personnel on site:	Lisa Paul	son & Jos	e Gonzale	ez					
No. of scrap piles: Scrap contained in:	l Box ⊠ (	Concrete b	sin 🗀 Or	the grou	and 🗍				
Box owner:	not record			i the grot	11IG []				
Box ID no.	not recorded								
Ground surface beneath scrap:	_	Asphalt Gravel Concrete Soil							
Description of scrap: The wooden box of regulators had been Gas personnel. The lugger box was less the box.									
Photographs attached:	Yes 🔲 1	No 🖂							
Screening of scrap:	Yes 🗌 1	No 🖂							
3. Scrap Metal Segregation		······································							
Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment	01/11/01 Lisa Paul : D	son & Jos	e Gonzale	ez					
Location where scrap was sorted: Figure attached:	Site S Yes N	crap yard No 🗌							

3. Scrap Metal Segregation (continued)	)
Screening before segregation:	Yes No No
	ne Lugger box were removed from the box and placed re labeled and placed in the cage. In a conversation bicked up regulators.
No. of Hg-type regulators: Location shipped to/via: Manifests attached:	2 Heritage via Heritage Yes ⊠ No □
Volume of scrap: No. of scrap boxes shipped off-site: Location shipped to/via: Shipping papers attached:	2 cubic yards 0 Remained at LaGrange Meter Shop Yes □ No ☑ N/A
Photographs attached:	Yes No No
Screening after segregation: Jerome Meter readings (mg Hg/ m³) Lugger box of scrap (uncovered):	Yes No
4. Sample Collection and Analysis	
Soil samples collected:	Yes No No
5. Additional Comments	
Illinois EPA on site 09/11/00 (Ed Osowsk	zi & Gino Bruni).
6. Status	
Two mercury-type regulators identified.	
All Jerome Meter readings achieve object	ive ( $<0.010 \text{ mg Hg/m}^3$ ).
Work complete. No follow up required.	
N/A – Not Applicable	

 $E:\label{locality} E:\label{locality} IDOC\nicon\mbox{\sc Mercury}\mbox{\sc Reporting Centers}\sc Summary Forms\mbox{\sc Bloomington.} doc$ 







Nicor LaGrange Meter Shop

Sept. 7, 2000

A STATE OF ILLINOIS

P.O. BOX 19276

SPRINGFIELD, ILLINOIS 82794-9276 (217) 782-6761

Stato Form LPC 62 8/81 IL532-0610

FOR SHIPMENT OF HAZARDOUS AND SPECIAL WASTE

<u>PL</u>	EASE TYPE (Form designed for use on alite	(12-pilch) typewriter.)	EPA Form 8700-22 (R	ev. <del>6-89</del> )	Form Ap	proved, OMB N	la. 2050-(	039
1	UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's U		Manifest cument No.	2. Page 1 of 1	information required b liking is lew	y Federal	shaded areas is not law. But is required by
	1 Caregraphor's Name and Malling Address 1844 FERRY RUAD		ST AVE,			3020	60	FEE PAID IF APPLICABLE
	NAPERVILLE, IL 60540	LAGRA	JUSE THE GOS	525	B. Generat	ors 7E ·	10,500	535010
	4. '24 HOUR EMERGENCY AND SPILL ASS 5. Transporter 1 Company Name	6,	S* (800) 827-5221 US EPA ID Number		C. Transpo	nter P. W	31	446001
	HERITAGE TRANSPORT LLC -		IND058484114		D. Traĥspo	rter's Phone	{317	7381-6848
	7. Transporter 2 Company Name	<b>8.</b>	US EPA ID Number		E. Transpo			
	9. Designated Facility Name and Site Address	10.	US EPA ID Number	•		iter's Phone	<del>-</del>	)
	HERITAGE ENVIRONMENTAL SI 15330 CANAL BANK ROAD LEMONT, IL 60439	ERVICES LLC	ILD085349264		G. Facility's	ber   U		6 <sub>1</sub> 2 <sub>1</sub> 0 <sub>1</sub> 0 <sub>1</sub> 0 <sub>1</sub> 7 739-1151
	11. US DOT Description (Including Proper Sh	ipping Name, Hazar		12. Conta		13.	14.	1.
١	PA HAZADDONE MACYE COL	75 B T C	<del>อ ม</del> ุงวิก77	No.	Туре С	Total Quantity	Unit Wt/Val	Waste No.
E	a RQ HAZARDOUS WASTE, SUL PGIII, (HIGH MERCURY DEB	ŘÍŠ) (BOOS)	ERO# 171				p	D 0 0 9
E	TRO HAZARDOG WASTE SOL	10 N.O.S.	9_ NA3077	0.0.1	OF OC	0110	1 m	0 0 0 2 6 1
F A	PGIII, (LOW MERCURY DEBR	161 (1009)	PG# 171	9	7/ 2	¥/	3/	EPA HW Number
T	c. Ru. HAZARDOUS WASTE, LID	Ship - 2 UID. N.O.S.	ey - 2/9/01	<del>//.</del> .	١٠ ١			PAHW Number
Р	PG III, (MERCURY CLEANIN	G SOLUTION	(DOOP) ERG#	HCY	¥c.	Her	He	118,009
1		Not Ship	o thought.		18C		22	#G-026
	OID NOT SH	IP HE	2/9/01	HC	HC	40,	He	EPA HW Number
	"J. Additional Description for Materials Listed	Shows - Hope to the	- <del> </del>		مسات	Codes for		Listed Above
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	B) Did Not Sup.	15 11 1 13 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1	oid Not Ship	FACE	111	~		
	15. Special Handling Instructions and Addition			_ ,	•			
	24 hour emergency p	hone#1-A	o-4f-spill	Contac	+: I	ilo tra	k	
	16. GENERATOR'S CERTIFICATION: I hareby proper shipping name and are classified, paraccording to applicable international and national	cked, marked, and lab ional government reg	reled, and are in all respects in pro ulations.	oper conditio	n for transpor	t by highway		
	If I am a large quantity generator, I certify to be economically practicable and that I have and future threat to human health and the e	Selected the predicat	He melhod of Irealment, Storage, (	or disposal ci	JITEMUY SVEIK	ible to me wi	ᄣᅉᇄᇄᇚ	mizes the present
	select the best waste management method t	hat is available to me	and that I can afford.					Date
lacksquare	Prinjed/Typed Name  Edward E. Johnson	tor Nico:	Signature	ہے سے	delaus	· Marie	. 1	Month Day Year
Ţ	17. Transporter 1 Acknowledgement of Recei	pt of Materials	101					Date April Vac
HANSP	Printed/Typed Name Edward E. Johnson		Signatura	64	tolins		1	Month Day Year
Q R	18. Transporter 2 Acknowledgement of Recei	pt of Materials						Date
ORTER	Printed/Typed Name		Signature				!	Month Day Year
	19. Discrepancy Indication Space							
FAC								
1	20 English Ourset or Operator Configuration	d		-idea (		ibaaa 10	— т	N-1-
Ť	20. Facility Owner or Operator: Certification of Printed/Typed Name	or receipt of nazardor	signature Signature	Mest erect	as noted	item 19.		Date Month Day Yser
	Mechan 2	Wellp	- The	<del>(                                    </del>	67	a. <b>a.</b> - fa - d	, the	021201
d P	itile Agency is authorized to negate, pulsusem to Minds his information may recult in a civil panetry against th arday of visitation and impresonment up to 5 years. This form to	merzou barrate, 1969. e owner or toporator no mes been approved by the P	uneper 111 772, Section 1004 and I to except \$25,000 per day of violontus Maragement Center.	ioser, that this lation. Falsificat	on of the inte	Mellouius indian.	une Ager Yeeuit ja	a first up to \$50,000

SIAIE UT ILLINUIS

ENVIR. SERVICES

P.O. BOX 19276

SPRINGFIELD, ILLINOIS 52794-9276 (217) 782-8761

State Form LPC 52 8/81 IL532-0610

FOR SHIPMENT OF HAZARDOUS AND SPECIAL WASTE

EASE TYPE (Form designed for use on eille (12	-pitch) typewriter.)	A Form 6700-22 (Flev. 6-89)	Form Approve	id. OMB No. 20\$0-0039					
UNIFORM HAZARDOUS WASTE MANIFEST	1. Generators US EPA ID NO ILDII 94794	67 102401	" I 1 I	information in the shedod are required by Foderal law, but is n Minols law.	equired by				
Niconarator's Name and Mailing Address 1844 FERRY ROAD	Location If Difference LOCAST	AVENUE		est Document Number 02401 FEE PA	JCABLE				
NAPERVILLE, IL 60540 4.724 HOUR EMERGENCY AND SPILL ASSIST	LA GRANG ANCE NUMBERS! (800)8	TE, ILLINOI	B. Generators ID Number, C. Transporter	0,311535	010				
5. Transporter 1 Company Name HERITAGE TRANSPORT LLC - H	6. L	S EPA ID Number 1484114	iD Number	s Phone (317) 381-6	848				
7. Transporter 2 Company Name	8. L	IS EPA ID Number	E. Transporter JD Number						
9. Designated Facility Name and Site Address	10. L	IS EPA ID Number	F. Transporter						
HERITAGE ENVIRONMENTAL SER 15330 CANAL BANK ROAD LEMONT, IL 60439		085349264		0 <sub>1</sub> 3 <sub>1</sub> 1 <sub>1</sub> 6 <sub>1</sub> 2 <sub>1</sub> 0 <sub>1</sub> one (630)739-11					
11. US DOT Description (Including Proper Shipp			ontainers 13 Tot	. 14. I. Unit Wast					
a.RQ. HAZARDDUS WASTE, SOLID PGIII, (HIGH MERCURY DEBRI	N.D.S. 9, NA30 S) (DOO9) ERG# 17	)77, '1	1 P.F 0,0,0	EPA HW D (	09				
D. RU. HAZARDOUS WASTE, SOLIT		MG MG	AG MA	G MG MEATH	9 9				
C RO HATAPPEUS HASTE LIGHT	T SHIP 1/2:	3/00		EPA LIW	Number				
DID NOT SHE		M.G.	Ga, M.C. M.	- M	3'5				
" (MERCURY), (DOGQ), E	RG#152	7, PEIII,	1 PF0.0.0	944 P 000	1				
A Additional Description for Materials Listed Abd  A) IX IS Poly Drum c) Did  B) Did Not Ship D) IX  16. 34985-7.  15. Special Hendling Instructions and Additional	Klot Ship ALL S Plastic Pail	LITY WASE	K. Handling Co in Item #14	des for Wastes Listed Ab	)OV@				
15. Special Hendling Instructions and Additional Information  24 HOUR EMERGENCY PHONE #; 800-48-SPILL  Control of the Control									
16. GENERATOR'S CERTIFICATION: I hereby de- proper shipping name and are classified, packe according to applicable international and nation	d, marked, and labeled, and are								
If I am a large quantity generator, I certify that be economically practicable and that I have sell and future threat to human health and the envious elect the best waste management method that	I have a program in place to re- soled the practicable method of forment; OR, if I am a small qua	antity generator, I have made	of waste generated t all currently available a good faith effort to	minimize my waste general	nined to present ion and atc				
Educard E. Johnson As	For Nicor G	ward &	Chusan	Manth 1	30				
Printed Typed Name  Courage E. Johnson		ature als	Thusan		ate Day You 3010				
18. Transporter 2 Acknowledgement of Receipt Printed/Typed Name		vature	70	0	ate Day Yea				
19. Discrepancy Indication Space					1 1.1				
20. Facility Owner or Operator: Certification of n	eceipt of hezardous materials	covered by this manifest ex	scopt as figred in item	n 19. D	ate				
Printed/Typed Namo		QUE /7.//	* //	Month	Day Yes				

## Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site Information	
Site name:	Lake Bloomington Storage Field, Station #40
Site location:	3 mi. S of Rte 24, 5 mi. E of Rte. 51 Lake Bloomington, IL 61744
Site contact and phone no:	Bob Purchase (815) 740-4100
2. Initial Site Visit	
Date of initial site visit: Huff & Huff personnel on site:	10/26/00 Homa Rizvi
No. of scrap piles: Scrap contained in: Ground surface beneath scrap:	4 Box Concrete bin On the ground Asphalt Gravel Concrete Soil
Description of scrap: Scrap piles of various sizes were locate The scrap included pipes, sheet metal, a	d at the northwest and southwest corners of the site. and miscellaneous metal pieces.
Photographs attached:	Yes 🖂 No 🗌
Screening of scrap: Jerome Meter readings (mg Hg/ m³) Scrap in piles (uncovered):	Yes No
3. Scrap Metal Segregation	
Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	11/08/00 Homa Rizvi D
Location where scrap was sorted: Figure attached:	Site ⊠ Scrap yard □ Yes ⊠ No □
Screening before segregation:  Jerome Meter readings (mg Hg/ m³)  Scrap in Piles (uncovered):	Yes No \( \subseteq \) 0.000 \( 0.000 \) 0.000 \( 0.000 \) 0.000 \( 0.000 \) 0.000

Description of segregation acti	vities:							
Two rolloff boxes were deliv	ered to the	site and li	ined with p	plastic sh	eeting (Ra	in for Re	nt	
200317 and unknown).	1 .1	1 (	7 1		1-4- · · · · · C	1		
No plastic sheeting was spre- identified.	ad on the gi	round surI	ace becau	se no regi	ulators of	any kind	were	
The scrap was transferred to	the rolloff	boxes usir	ng a Bobca	at excavat	or and by	hand.		
No Hg-type regulators or me			-		.01 41.12 0 )			
No. of Hg-type regulators:		0						
Volume of scrap:		30 cubic	yards					
No. of scrap boxes shipped off	-site:		boxes (20	00317 on	11/08/00 :	and unkn	own on	
Location shipped to/via:			orap via C	Dzinga Tr	ansportati	on		
Shipping papers attached:		Yes 🛚			1			
Photographs attached:		Yes 🗌	No 🛚					
Screening after segregation:	2	Yes 🔀	No 🗌					
Jerome Meter readings (mg Hg	- ,	C1	62	C2	C 4	C.F.	C.C	
Ground beneath scrap piles (	coverea):	S1 0.000	S2 0.000	S3 0.004	S4 0.000	S5 0.000	S6 0.000	
		S7	0.000	0.004	0.000	0.000	0.000	
		0.000						
Scrap in box shipped offsite (	covered):	0.000	0.000	0.000	0.000	0.000	0.000	
4. Sample Collection and A	nalysis			· · · · · · · · · · · · · · · · · · ·	~	·		
Soil samples collected:		Yes 🖂	No 🗌					
Date of sample collection:		11/17/00	) —					
Collected by:		Homa Rizvi						
Figure attached:		Yes 🛚	No 📙					
Analytical laboratory:		Test Am	ierica					
Sample ID	Total Hg, r	ng/kg (dry	vwt)					
S3	<0.42							
5. Additional Comments								
None.								

3. Scrap Metal Segregation (continued)

#### 6. Status

No mercury-type regulators identified.

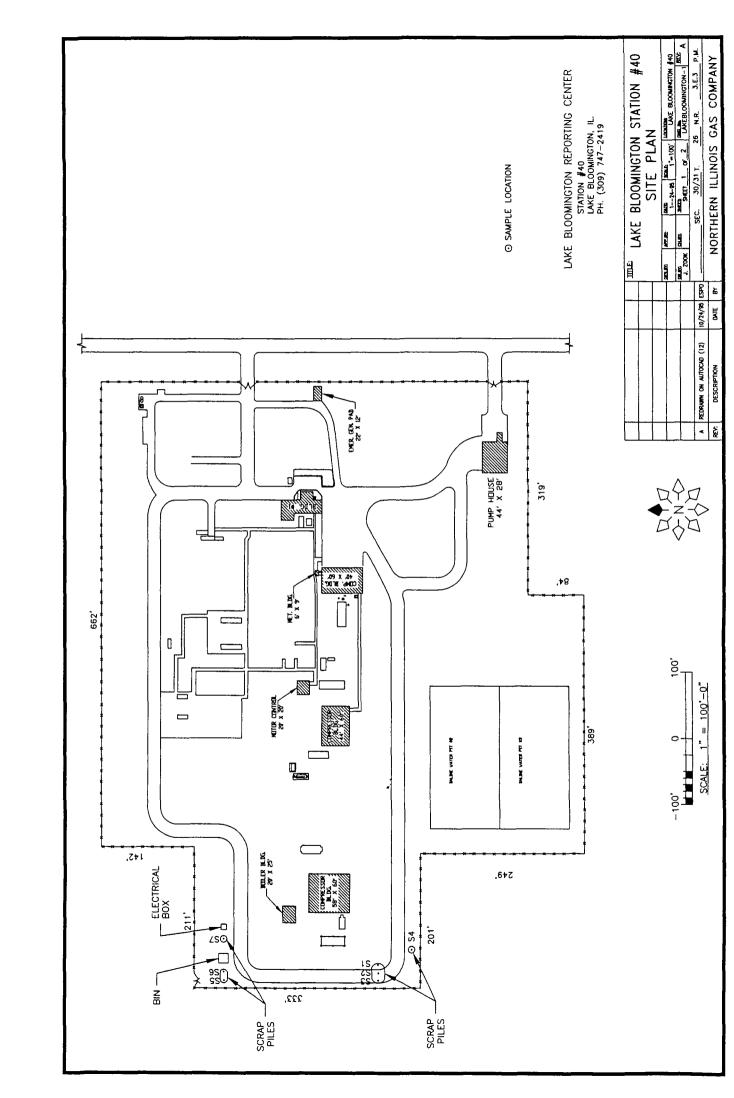
All Jerome Meter readings achieve objective (<0.010 mg Hg/m<sup>3</sup>).

Soil sample results achieve objective (<10 mg/kg; residential Tier 1 Objective).

Work complete. No follow up required.

## N/A – Not Applicable

 $E:\\\\\\IDOC\\\\Nicor\\\\Mercury\\\\ReportingCenters\\\\SummaryForms\\\\LakeBloomington.doc$ 



## LAKE BLOOMINGTON STORAGE FIELD October 26, 2000





:7

E 582380,4190

Date 11- 3-00 21900 South Central Ave. Matteson, IL 60443 (708) 720-6000 UNITED SCRAP Ship To: CICERO IL. P.O. No. Shipper: PRODUCT DESCRIPTION WEIGHT(lb) C.O.D **AMOUNT** SCRAP METAL LOAD Price **EMPTY** Tax ΞT Total SOURCE **ADDRESS** TICKET NO. NICOR LAKE BUCOMNUTON IL. **HOURLY** LOAD TIMES PORTAL TO PORTAL 2 3 4 5 TIME LOCATION Arrive 110 5 Begin Load End Load Start Finish Depart 1245 Total Total REQUESTED REASON FOR DELAY TIME MANIFEST NUMBER: LOADER SIGNATURE 132160001 TRUCK # OTSI LINER? Y / N **HOW MANY?** UNLOAD TIMES ROLL OFF BOX NUMBERS 4 5 DROPPED Arrive 0830 AT CUSTOMER Begin Unload End Unload PICKED UP 14 Put AT CUSTOMER Depart 1000 COMMENTS Total REQUESTED REASON FOR DELAY

**CUSTOMER COPY** 

OTSI TRAILER

RECEIVER SIGNATURE

DRIVER SIGNATURE



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1,433 To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes? アイソファシ Project Name: Wicol Lote Compliance Monitoring Site/Location ID: Lake Report To: Invoice To: Quote #: Project #: Phone: 630-289-3100 Fax: 630-289-5445 Clent #: Fax: ر ع ع 8411115 Bartlett Division 850 West Bartlett Road Bartlett, IL 60103 118-579-5940 TOTE OF TOT d(5,000 Se  $\mathcal{E}$ HW. Test/merica Client Name Project Manager: Sampler Name: (Print Name)\_ Telephone Number: Address: City/State/Zip Code: Sampler Signature:

Blowington Analyze For: Matrix Preservation & # of Containers

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Standard Rush (surcharges may apply) Date Needed: Fax Results: Y N SAMPLE ID	Deter Sampked	Time Sampled G = Grab, C = Composite	Field Fiftered	SL - Sludge DW - Drinking Water WW - Wastewater Specify Other	HCI HNO <sup>3</sup>	HOBN	tos <sup>c</sup> H	Methanol	Ottrer ( Specify)	# 199	SILIT									QC Deliverables  None Level 2 (Batch QC) Level 3 Level 4 Other:	e (c)
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Mr. James Huff HUFF & HUFF INC. 512 West Burlington Suite 100 LaGrange, IL 60525 12/01/2000

Job Number: 00.12981

IEPA Cert. No.: 100221 WDNR Cert. No.: 999447130

Enclosed is the Analytical and Quality Control reports for the following samples submitted to Bartlett Division of TestAmerica for analysis.

Project Description: Nicor; Lake Bloomington IL.

Sample Date Date Number Sample Description Taken Received 11/17/2000 11/22/2000

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. These results apply only to the samples analyzed. Reproduction of this report only in whole is permitted. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Procedures used follow TestAmerica Standard Operating Procedures which reference the methods listed on your report. Should you have questions regarding procedures or results, please do not hesitate to call. TestAmerica has been pleased to provide these analytical services for you.

This Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Approved by:

Project Manager

Page 1 of 5



### ANALYTICAL REPORT

Mr. James Huff HUFF & HUFF INC.

512 West Burlington Suite 100

LaGrange, IL 60525

12/01/2000

Sample No. : 608154

Job No.: 00.12981

Sample Description:

Nicor; Lake Bloomington IL.

Date Received: 11/22/2000 Time Received: 11:15 Date Taken: 11/17/2000

Time Taken:

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
pH, Non-Aqueous	8.93		units	0.10	11/28/2000	kmt	SW 9045B
Solids, Total	94.8		%	0.1	11/29/2000	kmt	SM 2540
Mercury, CVAA	<0.42	MX	mg/kg dw	0.042	11/30/2000	efw2	SW 7471A

MX : Dilution required due to sample matrix; analyte is not detected.



Mr. James Huff HUFF & HUFF INC. 512 West Burlington Suite 100 LaGrange, IL 60525 12/01/2000

Job Number: 00.12981

IEPA Cert. No.: 100221 WDNR Cert. No.: 999447130

Project Description: Nicor; Lake Bloomington IL.

#### CASE NARRATIVE

No analytical exceptions were noted outside of routine method protocols.

Page 3 of 5



#### KEY TO ABBREVIATIONS and METHOD REFERENCES

<	:	Less than; When appearing in the results column indicates the analyte was not detected at or above the reported value.						
mg/L	·	Concentration in units of milligrams of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per million (ppm).						
ug/g	:	Concentration in units of micrograms of analyte per gram of sample. Measurement used for non-aqueous samples. Can also be expressed as parts per million (ppm) or mg/Kg.						
ug/L	:	Concentration in units of micrograms of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per billion (ppb).						
ug/Kg	:	Concentration in units of micrograms of analyte per kilogram of sample. Measurement used for non-aqueous samples. Can also be expressed as parts per billion (ppb).						
TCLP :	÷	These initials appearing in front of an analyte name indicate that the Toxicity Characteristic Leaching Procedure (TCLP) was performed for this test.						
Surr:	:	These initials are the abbreviation for surrogate. Surrogates are compounds that are chemically similar to the compounds of interest. They are part of the method quality control requirements.						
8	:	Percent; To convert ppm to %, divide the result by 10,000.  To convert % to ppm, multiply the result by 10,000.						
ICP	:	Indicates analysis was performed using Inductively Coupled Plasma Spectroscopy.						
AA	:	Indicates analysis was performed using Atomic Absorption Spectroscopy.						
GFAA	÷	Indicates analysis was performed using Graphite Furnace Atomic Absorption Spectroscopy.						
PQL	:	Practical Quantitation Limit; the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions.						
Method	References							
ASTM	"American Sc	ciety for Testing Materials"						
EPA	"Methods for	Chemical Analysis of Water and Wastes", USEPA, EPA 600/4-79-020, Revised March 1983.						
EPA	"Test Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", EPA 600/4-82-057, July 1982.							
SDWA	"Methods for the Determination of Organic Compounds in Finished Drinking Water and Raw Source Water", USEPA, September 1986.							
SDWA	"Methods for the Determination of Metals in Environmental Samples", Supplement I USEPA, EPA-600/R-94/111, May 1994.							
SM	"Standard Me	thods for the Examination of Water and Wastewater", APHA-AWWA-WPCF, 18th Edition.						

Page 4 of 5

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", USEPA, SW-846.



## ATTACHMENT: CHAIN OF CUSTODY

Following are the chain of custody documents associated with the samples pertaining to this report.

PAGE 5 of 5

## Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site Information							
Site name:	Lexington Storage Field, Station #42						
Site location:	3 mi. SW of Lexington on Rte 66 Lexington, IL 61753						
Site contact and phone no:	Bob Purchase, (815) 740-4100						
2. Initial Site Visit							
Date of initial site visit: Huff & Huff personnel on site:	10/26/00 Homa Rizvi						
No. of scrap piles: Scrap contained in: Ground surface beneath scrap:	2 Box ☐ Concrete bin ☐ On the ground ☒ Asphalt ☐ Gravel ☒ Concrete ☐ Soil ☒						
Description of scrap: Two scrap piles were present, located at the SW corner of the site. The scrap piles included many large items, such as a control box, valves, and pipes. Sheet metal, wire, and other small items also were present.							
Photographs attached:	Yes 🛛 No 🗌						
Screening of scrap: Jerome Meter readings (mg Hg/ m³) Scrap piles (uncovered):	Yes No						
3. Scrap Metal Segregation							
Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	11/09/00 Homa Rizvi D						
Location where scrap was sorted: Figure attached:	Site Scrap yard Strap Yes No Scrap Yes						
Screening before segregation:  Jerome Meter readings (mg Hg/ m³):  Scrap piles (uncovered):	Yes No						

Description of segregation activities: A rolloff box was delivered to the site ar full with scrap from the Lake Bloomingt Plastic sheeting was not spread on the grat the site. The scrap was transferred to the rolloff by No mercury-type regulators or mercury by	on Stora ound be oox using	ge Field.) cause no reg g a Bobcat e	gulators o	of any kin	d were ol		
No. of Hg-type regulators:	0		<b>.</b>				
Volume of scrap: No. of scrap boxes shipped off-site: Location shipped to/via: Shipping papers attached:	10 cubic yards 1 United Scrap via Ozinga Transportation Yes ⊠ No □						
Photographs attached:	Yes 🗌	No 🖂					
Screening after segregation: Jerome Meter readings (mg Hg/m³) Ground beneath pile (covered; 11/17/00):	S1 <sup>1</sup> / 0.004	No S2 0.000	S3 0.000	S4 0.000 0.000			
Scrap shipped off-site (covered):	0.000 $0.000$	0.000	0.000 $0.000$	0.000	0.000	0.000	
4. Sample Collection and Analysis			····				
Soil samples collected: Date of sample collection: Collected by: Figure attached: Analytical laboratory:	Yes \( \sum \) 11/17/0 Homa I Yes \( \sum \) Test At	Rizvi No 🗌	Col	lected at 1	Lexington	a	
Sample ID Total Hg, mg/kg (dry w	<u></u>						
S1 <0.51							
5. Additional Comments			<u>.</u>				
None.							

3. Scrap Metal Segregation (continued)

<sup>&</sup>lt;sup>1</sup>/Sample S1 submitted for total mercury analysis.

#### 6. Status

No mercury-type regulators identified.

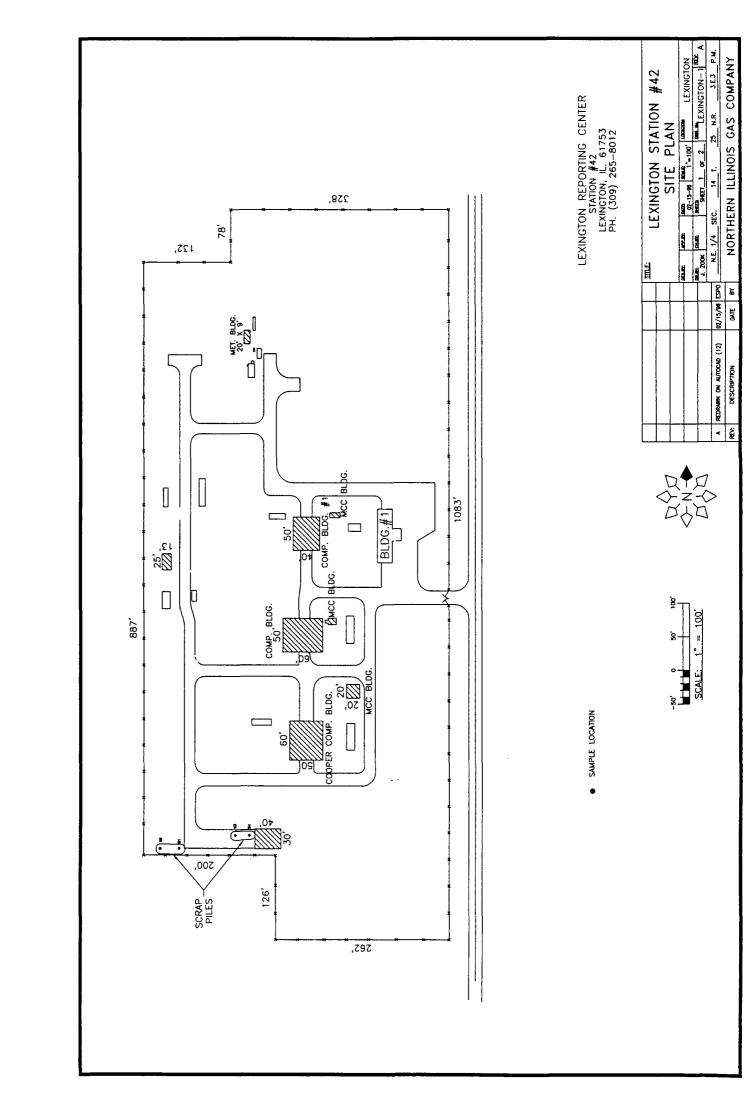
Final Jerome Meter readings achieve objective (<0.010 mg Hg/m³).

Soil sample results achieve objective (<10 mg/kg; residential Tier 1 Objective).

Work complete. No follow up required.

N/A – Not Applicable

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## LEXINGTON STORAGE FIELD October 26, 2000





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PICKED UP			End Unload							
AT CUSTOMER			Depart Total				<u> </u>	<del> </del>		
COMMENTS			REQUESTED REASON FOR DELAY TIME							
				RECEIVER SIGNATURE						
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**Weight Ticket** 

Metal Buyers and Recyclers 1545 South Cicero Avenue Cicero, Illinois 60804

FAX 708/780-0510 TEL 708/780-6800

245 HLC \$18 2402

9:23 AM 11 10 00 68099 81720 1b (1) 67740 1b TR 1.3980 1b M 8125 AM 11 10 00 68087 81720 15 Truck / Trailer No. OF 36746

Customer

Address

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Carrier

Driver

LABORATORY COMMENTS.
Init Lab Tenpi OC COLOLO Method of Shipment:  $\Gamma C \cup Q \cap D \cap Q$ QC Deliverables (Batch QC) Level 4 Other: Level 2 Level 3 REMARKS None Bottles Supplied by TestAmerica: 1161-LAXINGTO is this work being conducted for regulatory purposes? State: To assist us in using the proper analytical methods, B Rec Lab Temp Compliance Monitoring アンドラ Analyze For: Project Name: Site/Location ID: Invoice To: Report To: Quote #: Project #: <u>⊤</u>me. Time 74/1 Date: Ablance BLK ( MCCUM) Other (Specify) Preservation & # of Container Phone: 630-289-3100 Fax: 630-289-5445 Client #: os2 Received By: N Received By: Fæ HOe IOI 60 C (10 A ONI Bartlett Division 850 West Bartlett Road Bartlett, IL 60103 Haff Matrix Specify Other WW - Wastewater pilos/lios - s GW - Groundwater R. (20) SL - Sludge DW - Drinking Water Time: Time Time: マンしてい obenettiii blei-19-594 . Э G = Grab, C = Composite φ D Date: Date: Date: 4 Time Sampled Client Name H CA 5(3 Test/America Date Sampled Project Manager: Sampler Signature: City/State/Zip Code: Telephone Number: Sampler Name: (Print Name) Address: Rush (surcharges may apply) z Special Instructions: Relinquished By: / Refinquished By Relinquished By: Date Needed: Fax Results: TAT SAMPLE ID 5

Coller



Mr. James Huff HUFF & HUFF INC. 512 West Burlington Suite 100 LaGrange, IL 60525 12/01/2000

Job Number: 00.12977

IEPA Cert. No.: 100221 WDNR Cert. No.: 999447130

Enclosed is the Analytical and Quality Control reports for the following samples submitted to Bartlett Division of TestAmerica for analysis.

Project Description: Nicor; Lexington IL.

Sample Date Date Number Sample Description Taken Received 11/17/2000 11/22/2000

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. These results apply only to the samples analyzed. Reproduction of this report only in whole is permitted. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Procedures used follow TestAmerica Standard Operating Procedures which reference the methods listed on your report. Should you have questions regarding procedures or results, please do not hesitate to call. TestAmerica has been pleased to provide these analytical services for you.

This Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Approved by:

Project Manager

Page 1 of 5



### ANALYTICAL REPORT

Mr. James Huff HUFF & HUFF INC. 512 West Burlington

Suite 100

LaGrange, IL 60525

12/01/2000

Sample No. : 608140

Job No.: 00.12977

Sample Description:

Nicor; Lexington IL.

Date Taken: 11/17/2000

Time Taken:

Date Received: 11/22/2000 Time Received: 11:15

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
pH, Non-Aqueous	7.95		units	0.10	11/28/2000	kmt	SW 9045B
Solids, Total	79.1		왕	0.1	11/29/2000	kmt	SM 2540
Mercury, CVAA	<0.51	MX	mg/kg dw	0.051	11/30/2000	efw2	SW 7471A

 ${\tt MX}$  : Dilution required due to sample matrix; analyte is not detected.



Mr. James Huff HUFF & HUFF INC. 512 West Burlington Suite 100 LaGrange, IL 60525 12/01/2000

Job Number: 00.12977

IEPA Cert. No.: 100221 WDNR Cert. No.: 999447130

Project Description: Nicor; Lexington IL.

## CASE NARRATIVE

No analytical exceptions were noted outside of routine method protocols.

Page 3 of 5



: Less than; When appearing in the results column indicates the analyte was not detected at or

## KEY TO ABBREVIATIONS and METHOD REFERENCES

<	:	above the reported value.
mg/L	:	Concentration in units of milligrams of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per million (ppm).
ug/g	:	Concentration in units of micrograms of analyte per gram of sample. Measurement used for non-aqueous samples. Can also be expressed as parts per million (ppm) or mg/Kg.
ug/L	:	Concentration in units of micrograms of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per billion (ppb).
ug/Kg	:	Concentration in units of micrograms of analyte per kilogram of sample. Measurement used for non-aqueous samples. Can also be expressed as parts per billion (ppb).
TCLP	:	These initials appearing in front of an analyte name indicate that the Toxicity Characteristic Leaching Procedure (TCLP) was performed for this test.
Surr:	:	These initials are the abbreviation for surrogate. Surrogates are compounds that are chemically similar to the compounds of interest. They are part of the method quality control requirements.
%	:	Percent; To convert ppm to %, divide the result by 10,000.  To convert % to ppm, multiply the result by 10,000.
ICP	:	Indicates analysis was performed using Inductively Coupled Plasma Spectroscopy.
AA	:	Indicates analysis was performed using Atomic Absorption Spectroscopy.
GFAA	:	Indicates analysis was performed using Graphite Furnace Atomic Absorption Spectroscopy.
PQL <b>Method</b>	: l References	Practical Quantitation Limit; the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
ASTM		ociety for Testing Materials"
EPA		r Chemical Analysis of Water and Wastes", USEPA, EPA 600/4-79-020, Revised March 1983.
EPA	"Test Method	ds for Organic Chemical Analysis of Municipal and Industrial Wastewater", EPA 600/4-82-057, July
SDWA	"Methods for September 1:	r the Determination of Organic Compounds in Finished Drinking Water and Raw Source Water", USEPA,
SDWA	"Methods fo:	r the Determination of Metals in Environmental Samples", Supplement I USEPA, EPA-600/R-94/111, May
SM	"Standard Me	ethods for the Examination of Water and Wastewater", APHA-AWWA-WPCF, 18th Edition.
SW	"Test Method	ds for Evaluating Solid Waste, Physical/Chemical Methods", USEPA, SW-846.

Page 4 of 5



# ATTACHMENT: CHAIN OF CUSTODY

Following are the chain of custody documents associated with the samples pertaining to this report.

PAGE 5 of 5

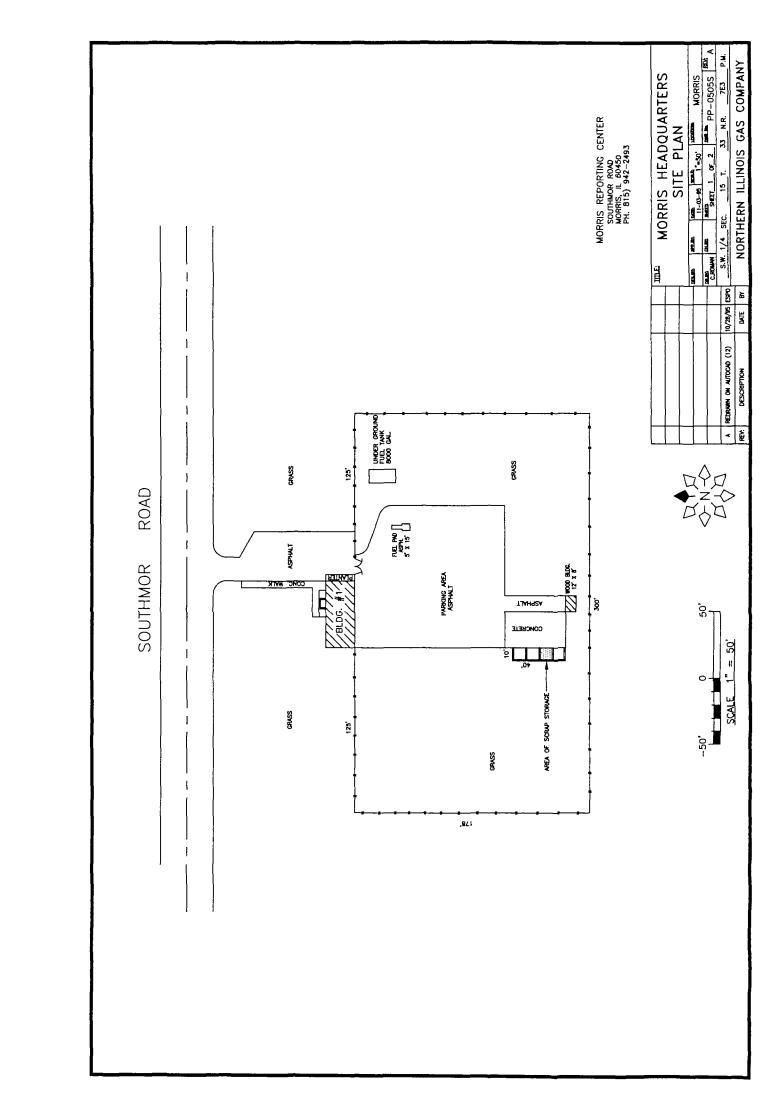
# Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site Information						
Site name:	Morris Reporting Center					
Site location:	Southmore Rd. Morris, IL 60450					
Site contact and phone no:	Steve Martin (630) 629-2500					
2. Initial Site Visit						
Date of initial site visit: Huff & Huff personnel on site:	11/14/00 Darren Greving					
No. of scrap piles: Scrap contained in: Ground surface beneath scrap:	l Box Concrete bin On the ground Drum Asphalt Gravel Concrete Soil					
Description of scrap:  Very little scrap was identified. All was observed.	s contained in a 55-gallon drum. No regulators were					
Photographs attached:	Yes No No					
Screening of scrap:	Yes No No					
3. Scrap Metal Segregation						
Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	11/29/00 Darren Greving D					
Location where scrap was sorted: Figure attached:	Site Scrap yard Yes No					
Screening before segregation: Jerome Meter readings (mg Hg/m³) Ground beneath drum (uncovered):	Yes No \( \subseteq 0.000  0.0000  0.000  0.000  0.000  0.000  0.000 \qu					

3. Scrap Metal Segregation (continued	I)					
Description of segregation activities: The contents of the drum and the pile on mercury-type regulators identified.	the ground were loaded by hand into a rolloff box. No					
No. of Hg-type regulators:	0					
Volume of scrap: No. of scrap boxes shipped off-site: Location shipped to/via: Shipping papers attached:	<1 cubic yards 1 United Scrap via Ozinga Transportation Yes No					
Photographs attached:	Yes No No					
Screening after segregation: Jerome Meter readings (mg Hg/m³) Ground beneath scrap (uncovered):	Yes No \( \subseteq 0.000 \qua					
4. Sample Collection and Analysis						
Soil samples collected:	Yes 🗌 No 🔀					
5. Additional Comments						
None.						
6. Status						
No mercury-type regulators identified.						
All Jerome Meter readings achieve object	tive (<0.010 mg Hg/m <sup>3</sup> ).					
Work complete. No follow up required.						
N/A – Not Applicable						

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Nicor Gas Inspection Morris Reporting Center



ALTERNATE STRAIGHT BILL OF LADING—SPYRT FORM

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Customer

1545 South Cicero Avenue Cicero, Illinois 60804 FAX 708/780.0510 TEL 708/780-6800

Weight Ticket

Metal Buyers and Recyclers

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Driver

Morris Shipped with Romeoville.



# HERITAGE

# Heritage Environmental Services, LLC Field Services Daily Job Summary

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Pacceptance Date: Heritage Rep. 7(4) Date:

# Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site Information							
Site name:	Ottawa Reporting Center						
Site location:	1629 Champlain Street Ottawa, IL 61350						
Site contact and phone no:	Steve Martin (630) 629-2500						
2. Initial Site Visit							
Date of initial site visit: Huff & Huff personnel on site:	10/20/00 James E. Huff						
No. of scrap piles: Scrap contained in: Ground surface beneath scrap:	1 Box ☑ Concrete bin ☐ On the ground ☐ Asphalt ☐ Gravel ☐ Concrete ☒ Soil ☐						
Description of scrap: 8 cu yd Lugger Box stored in concrete, visible.	3 sided material storage. Spring-type regulators						
Photographs attached:	Yes 🛛 No 🗌						
Screening of scrap: Jerome Meter readings (mg Hg/ m³) Scrap in piles (uncovered):	Yes No						
3. Scrap Metal Segregation							
Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	10/27/00 James E. Huff D						
Location where scrap was sorted: Figure attached:	Site ☐ Scrap yard ☒ Newtson Yes ☒ No ☐						
Screening before segregation: Jerome Meter readings (mg Hg/ m³) Scrap in Piles (uncovered):	Yes No						

## 3. Scrap Metal Segregation (continued) Description of segregation activities: Box was picked up by Newtson Iron & Metal and brought back to their yard for sorting. During unloading, box was tipped over. Hand picked through all scrap. No Hg-regulators present and no beads of mercury observed. Tested soil beneath where scrap was sorted. Loaded spring regulators into roll-off box. 0 No. of Hg-type regulators: Volume of scrap: 8 cubic yards No. of scrap boxes shipped off-site: Location shipped to/via: Newtson, except spring-type regulators went to Newton County Landfill Yes No No Shipping papers attached: Photographs attached: Yes No Jerome Meter readings (mg Hg/ m<sup>3</sup>) Empty box/bin (uncovered): S1 S2 S3 S4 **S5** Ground beneath scrap piles (covered): 0.000 0.000 0.004 0.000 0.000 Scrap box shipped off-site (uncovered): Scrap in box shipped offsite (covered): 0.0000.0000.000 4. Sample Collection and Analysis Yes No (at Newtson) Soil samples collected: Date of sample collection: 10/27/00, 03/21/01 Collected by: James E. Huff, Jose Gonzalez Yes 🛛 No 🗌 Figure attached: Analytical laboratory: Test America TCLP Hg, mg/L Sample ID Total Hg, mg/kg (dry wt) 17.8 Pre Sorting, Near Post Sorting, Near 14.0 N1 < 0.0002

## 5. Additional Comments

No mercury type regulators were found during the sorting of the scrap from the Ottawa Reporting Center. All aluminum regulators were placed in the roll-off box filled with the Nicor scrap from the earlier segregation activities at Newtson. This roll-off box was transported to Newton County Landfill on October 31, 2000.

## 5. Additional Comments (Continued)

Soil samples from the area between the Lugger Box (near) and the roll-off box (far) were collected and placed in sealed plastic bags for screening. The following results were detailed:

When	Location	Mei	rcury vapor, i	ng/cu m
Pre Sorting	Near Lugger	0.029	0.050	0.061
Post Sorting	Near Lugger	0.019	0.016	0.018
Pre Sorting	Far (Near Roll-off)	0.000	0.000	0.000
Post Sorting	Far (Near Roll-off)	0.000	0.000	0.000

Based on these results, the Near (Lugger Box) samples were analyzed.

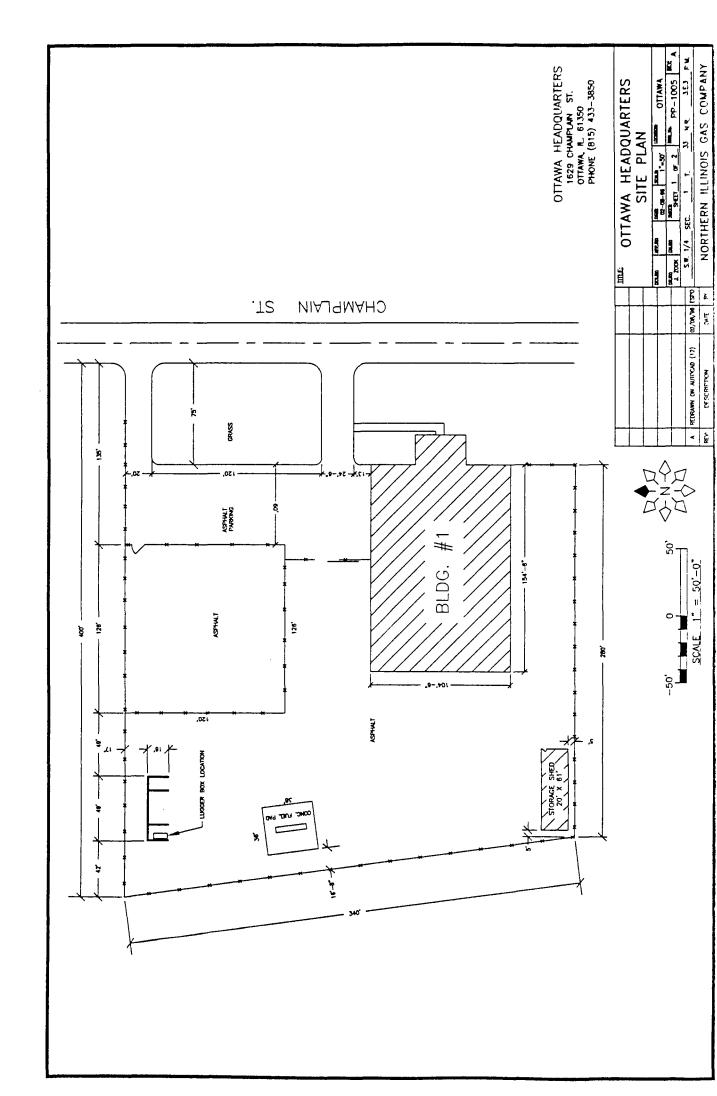
## 6. Status

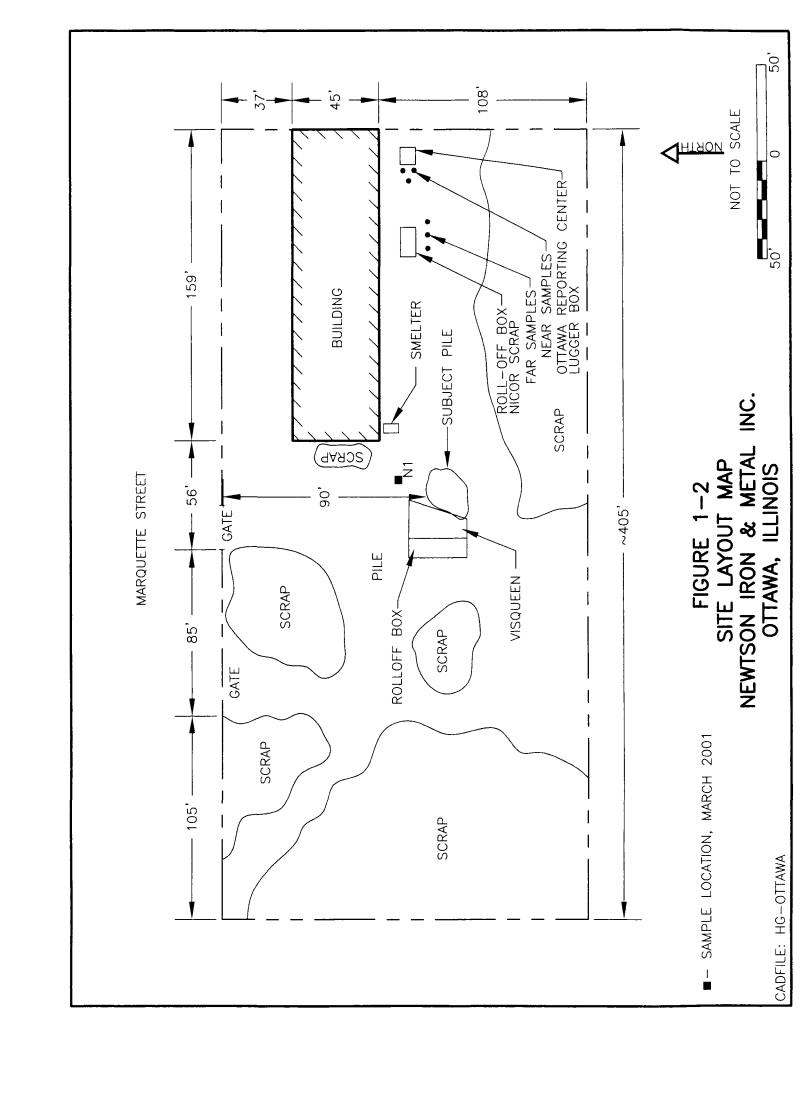
No mercury-type regulators were identified.

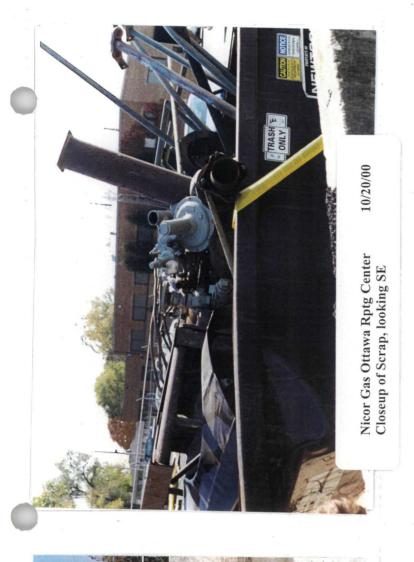
Soil sample results achieve the industrial/commercial and construction worker objectives (<61 mg/kg, construction worker Tier 1 Objective), but not the residential objective (10 mg/kg).

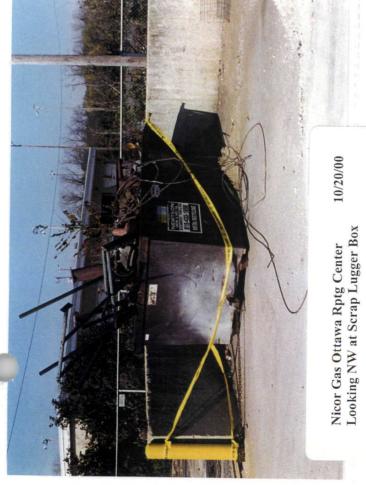
Soil migration to Groundwater Objective achieved.

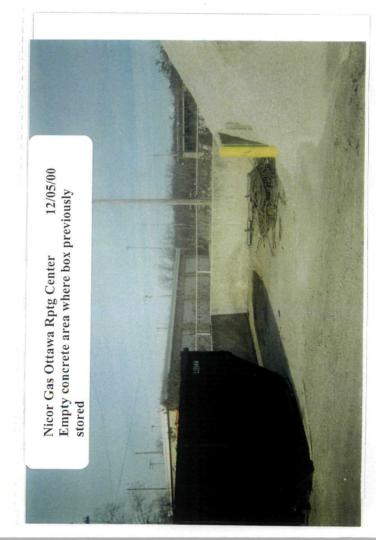
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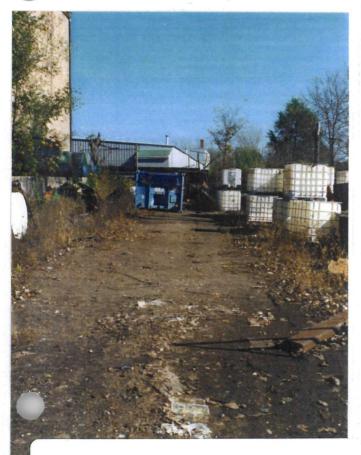








Newtson Iron & Metal 10/27/00 Setting up to sort Ottawa Reporting Center Scrap



Newtson Iron & Metal 10/27/00 Looking East where Rolloff Box stored (Scrap from Ottawa behind rolloff



Newtson Iron & Metal 10/27/00 Closeup of Ottawa Reporting Center Scrap



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CUSTOMER COPY

# ALTERIJATE STRAIGHT BILL OF LADING-SHORT FORM

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Test/\merica

Phone: 630-289-3100 Fax: 630-289-5445

is this work being conducted for regulatory purposes? State To assist us in using the proper analytical methods, ð 100tson Compliance Monitoring 0+1and Project Name: Ni Corc Report To: Project #: Site/Location ID: Invoice To: Quote #: Client #: FaX: Burlins Bartlett Division 850 West Bartlett Road Bartlett, IL 60103 בי וושאה ť s abarr 613 Sampler Name: (Print Name) Client Name Sampler Signature: Address: City/State/Zip Code: Project Manager: Telephone Number:

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# Test/America

Mr. James Huff 11/16/2000 HUFF & HUFF INC.

512 West Burlington Job Number: 00.12315

Suite 100

LaGrange, IL 60525 IEPA Cert. No.: 100221 WDNR Cert. No.: 999447130

Enclosed is the Analytical and Quality Control reports for the following samples submitted to Bartlett Division of TestAmerica for analysis.

Project Description: Nicor/Newtson; Ottawa IL

Sample	Sample Description	Date	Date
Number		Taken	Received
605644	Pre-Near	10/27/2000	11/03/2000
605645	Post Near	10/27/2000	11/03/2000

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. These results apply only to the samples analyzed. Reproduction of this report only in whole is permitted. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Procedures used follow TestAmerica Standard Operating Procedures which reference the methods listed on your report. Should you have questions regarding procedures or results, please do not hesitate to call. TestAmerica has been pleased to provide these analytical services for you.

This Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Approved by:

Project Manager

Page 1 of 6



# ANALYTICAL REPORT

11/16/2000 Mr. James Huff

HUFF & HUFF INC. 512 West Burlington Sample No. : 605644

Suite 100

LaGrange, IL 60525 Job No.: 00.12315

Sample Description: Pre-Near

Nicor/Newtson; Ottawa IL

Date Received: 11/03/2000 Time Received: 17:53 Date Taken: 10/27/2000

Time Taken:

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
pH, Non-Aqueous	7.78		units	0.10	11/09/2000	kmt	SW 9045B
Solids, Total	84.5		*	0.1	11/09/2000	kmt	SM 2540
Mercury, CVAA	17.8		mg/kg dw	0.047	11/15/2000	efw2	SW 7471A



# ANALYTICAL REPORT

Mr. James Huff HUFF & HUFF INC. 512 West Burlington

Suite 100

LaGrange, IL 60525

11/16/2000

Sample No. : 605645

Job No.: 00.12315

Sample Description: Post Near

Nicor/Newtson; Ottawa IL

Date Taken: 10/27/2000 Time Taken:

Date Received: 11/03/2000

Time Received: 17:53

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
pH, Non-Aqueous	7.62		units	0.10	11/09/2000	kmt	SW 9045B
Solids, Total	66.7		<sup>8</sup>	0.1	11/09/2000	kmt	SM 2540
Mercury, CVAA	14		mg/kg dw	0.060	11/15/2000	efw2	SW 7471A



Mr. James Huff HUFF & HUFF INC. 512 West Burlington Suite 100 LaGrange, IL 60525 11/16/2000

Job Number: 00.12315

IEPA Cert. No.: 100221 WDNR Cert. No.: 999447130

Project Description: Nicor/Newtson; Ottawa IL

## CASE NARRATIVE

No analytical exceptions were noted outside of routine method protocols.

Page 4 of 6



Less than; When appearing in the results column indicates the analyte was not detected at or

## KEY TO ABBREVIATIONS and METHOD REFERENCES

mg/L	:	Concentration in units of milligrams of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per million (ppm).
na\a	:	Concentration in units of micrograms of analyte per gram of sample. Measurement used for non-aqueous samples. Can also be expressed as parts per million (ppm) or mg/Kg.
ug/L	:	Concentration in units of micrograms of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per billion (ppb).
ug/Kg	÷	Concentration in units of micrograms of analyte per kilogram of sample. Measurement used for non-aqueous samples. Can also be expressed as parts per billion (ppb).
TCLP	:	These initials appearing in front of an analyte name indicate that the Toxicity Characteristic Leaching Procedure (TCLP) was performed for this test.
Surr:	:	These initials are the abbreviation for surrogate. Surrogates are compounds that are chemically similar to the compounds of interest. They are part of the method quality control requirements.
9.	:	Percent; To convert ppm to %, divide the result by 10,000.  To convert % to ppm, multiply the result by 10,000.

AA : Indicates analysis was performed using Atomic Absorption Spectroscopy.

GFAA : Indicates analysis was performed using Graphite Furnace Atomic Absorption Spectroscopy.

PQL : Practical Quantitation Limit; the lowest level that can be reliably achieved within specified

limits of precision and accuracy during routine laboratory operating conditions.

Indicates analysis was performed using Inductively Coupled Plasma Spectroscopy.

## Method References

ICP

ASTM "American Society for Testing Materials"

above the reported value.

EPA "Methods for Chemical Analysis of Water and Wastes", USEPA, EPA 600/4-79-020, Revised March 1983.

EPA "Test Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", EPA 600/4-82-057, July 1982.

SDWA "Methods for the Determination of Organic Compounds in Finished Drinking Water and Raw Source Water", USEPA, September 1986.

SDWA "Methods for the Determination of Metals in Environmental Samples", Supplement I USEPA, EPA-600/R-94/111, May 1994.

SM "Standard Methods for the Examination of Water and Wastewater", APHA-AWWA-WPCF, 18th Edition.

SW "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", USEPA, SW-846.

Page 5 of 6



# ATTACHMENT: CHAIN OF CUSTODY

Following are the chain of custody documents associated with the samples pertaining to this report.

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# ANALYTICAL REPORT

Sarah Monette
HUFF & HUFF INC.

512 West Burlington

Suite 100

LaGrange, IL 60525

03/26/2001

Sample No. : 620546

Job No.: 01.02294

Sample Description:

N1

Nicor - Reporting Centers

Date Taken: Time Taken: 03/20/2001

Date Received:

03/21/2001

Time Received: 16:30

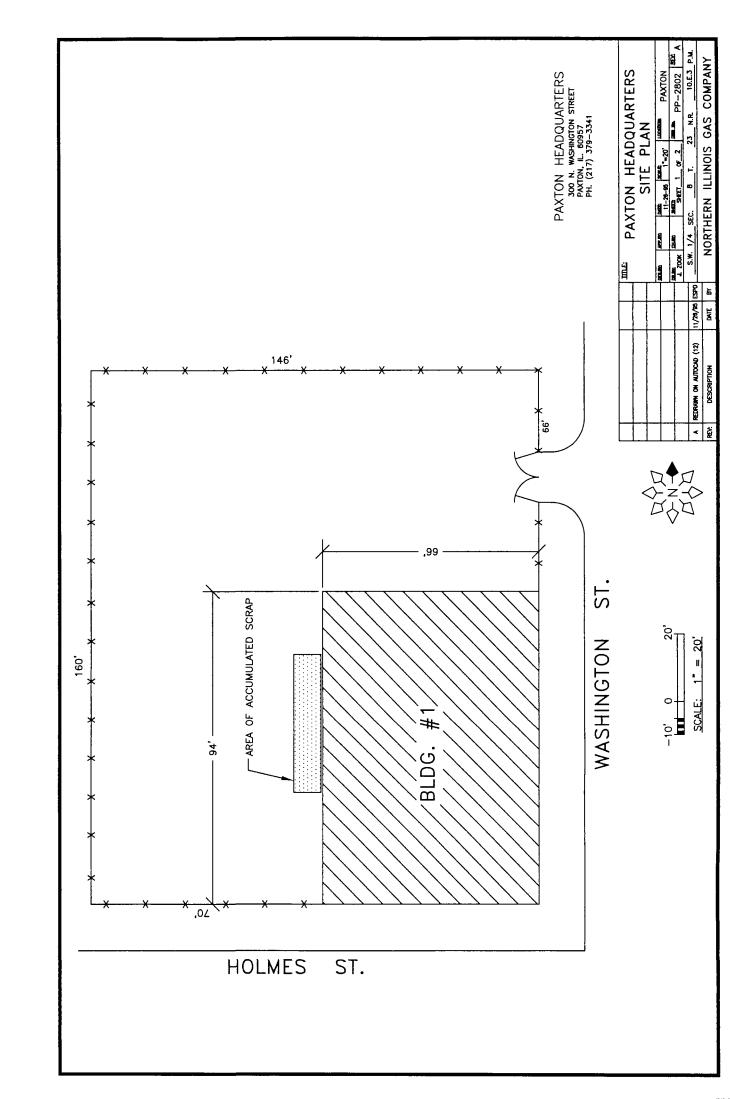
Analyst Analytical Flag Reporting Date Result Units Parameter Initials Method Limit Analyzed TCLP Metals Extraction 03/22/2001 kkp SW 1311 Leached SW 7470A TCLP-Mercury, CVAA <0.0002 mg/L 0.0002 03/24/2001 efw2

# Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site Information	
Site name:	Paxton Reporting Center
Site location:	300 N. Washington St. Paxton, IL 60957
Site contact and phone no:	Bob Purchase (815) 740-4100
2. Initial Site Visit	
Date of initial site visit: Huff & Huff personnel on site:	11/14/00 Darren Greving
No. of scrap piles: Scrap contained in: Ground surface beneath scrap:	1 Box Concrete bin On the ground Asphalt Gravel Concrete Soil
	st side of the building. Pile volume of approximately 3 loaded regulators identified. Approximately one cubic
Photographs attached:	Yes 🗌 No 🖾
Screening of scrap: Jerome Meter readings (mg Hg/m³) Scrap pile (uncovered):	Yes No \( \sum \) 0.000 0.000 0.000
3. Scrap Metal Segregation	
	use no mercury-type regulators were identified in pile. letermination based upon a visual screening.
No. of Hg-type regulators: Figure attached:	0 Yes ⊠ No □
4. Sample Collection and Analysis	
Soil samples collected:	Yes No 🛚

5. Additional Comments
None.
6. Status
No mercury-type regulators identified.
All Jerome Meter readings achieve objective (<0.010 mg Hg/m³).
Work complete. No follow up required.
N/A – Not Applicable

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# Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site information											
Site name:	Pontiac Storage Field, Station #80										
Site location:	2 mi. S of Rte 116, 7 mi. W of Rte 47 Pontiac, IL 67164										
Site contact and phone no:	Bob Purchase, (815) 740-4100										
2. Initial Site Visit											
Date of initial site visit: Huff & Huff personnel on site:	10/26/00 Homa Rizvi										
No. of scrap piles: Scrap contained in: Ground surface beneath scrap:	1 Box  Concrete bin  On the ground  Asphalt  Gravel  Concrete  Soil										
Description of scrap: Scrap metal present on ground against wo rods, and small metal parts.	vooden wall. Contents included a propane tank, metal										
Photographs attached:	Yes ⊠ No □										
Screening of scrap: Jerome Meter readings (mg Hg/ m³)	Yes 🔀 No 🗌										
Pile (uncovered):	0.000 0.000 0.000 0.000 0.000										
3. Scrap Metal Segregation											
Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	11/9/00 Homa Rizvi D										
Location where scrap was sorted: Figure attached:	Site Scrap yard Yes No										
Screening before segregation:  Jerome Meter readings (mg Hg/ m³):  Pile (uncovered):	Yes No \( \subseteq \) 0.000 \( 0.000 \) 0.000 \( 0.000 \) 0.000 \( 0.000 \) 0.000										

3. Scrap Metal Segregation (continued)							
Description of segregation activities:  A rolloff box was delivered to the site ar Plastic sheeting was not spread on the grat the site.  The scrap was transferred into the rolloft No mercury-type regulators or mercury	ound f box	because using a H	no regul Bobcat ex	ators of	any kind	d were id	entified
No. of Hg-type regulators:	0						
Volume of scrap: No. of scrap boxes shipped off-site: Location shipped to/via: Shipping papers attached:	1 roll Unite		(box no.		) sportatio	on	
Photographs attached:	Yes	No [					
Screening after segregation: Jerome Meter readings (mg Hg/m³) Ground beneath pile (covered; 11/17/0 Scrap shipped off-site (covered)	00):	No [ S1 0.000 0.000 0.000	S2 0.005 0.000 0.000	S3 0.003 0.000 0.000	0.000	0.000	0.000
4. Sample Collection and Analysis	···						
Soil samples collected: Date of sample collection: Collected by: Figure attached:	11/17 Hom	⊠ No [ 7/00 a Rizvi ⊠ No [		Colle	cted at P	'ontiac	
Analytical laboratory:	Test	America	ı				
Sample ID Total Hg, mg/kg (dry w	t)						
S2 <0.49 S3 <0.49							
5. Additional Comments							<del></del>
None.							

#### 6. Status

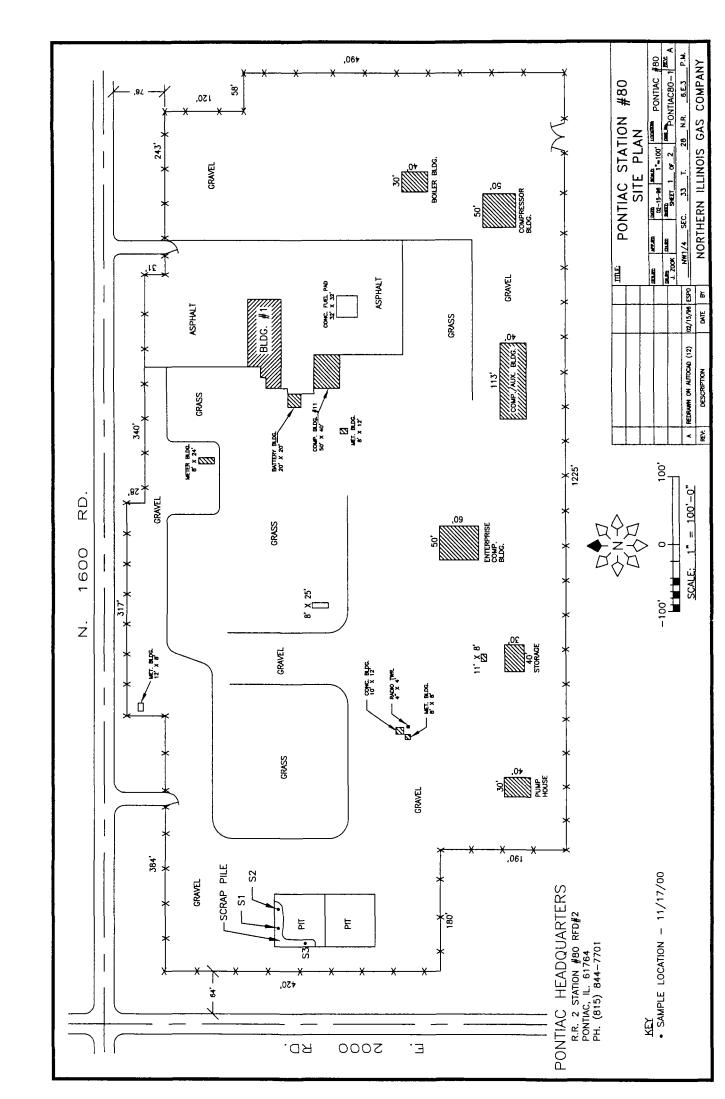
No mercury-type regulators identified.

Final Jerome Meter readings achieve objective (<0.010 mg Hg/m<sup>3</sup>).

Soil sample results achieve objective (<10 mg/kg; residential Tier 1 Objective).

Work complete. No follow up required.

 $N/A-Not\ Applicable \\ E:\ IDOC\ Nicor\ Mercury\ Reporting\ Centers\ Summary\ Forms\ Pontiac.doc$ 



### PONTIAC STORAGE FIELD October 26, 2000



### PONTIAC STORAGE FIELD AFTER SCRAP REMOVAL November 9, 2000



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**Weight Ticket** 

Metal Buyers and Recyclers 1545 South Cicero Avenue Cicero, Illinois 60804 FAX 708/780-0510 TEL 708/780-6800 5 200 2

CH 36741

Customer

9:40 FM 11 10 00 68104 6:1400 10 Truck / Trailer No.

10:49 AM 11 10 00 68117 61400 1b (1) 44120 1b TR 172813 / 15 MET

Carrier

Driver

Weigher

is this work being conducted for regulatory purposes? To assist us in using the proper analytical methods, Compliance Monitoring Site/Location ID: Partici Report To: Invoice To: Project #: Phone: 630-289-3100 Fax: 630-289-5445 Client #: Fax グマニ Bartlett Division 850 West Bartlett Road Bartlett, IL 60103 £ 200 S Bac Client Name HLAFF & HOLF. **したいこくろう** 579-5941/ 1200 A Test/\merica Project Manager: Address: City/State/Zip Code: Telephone Number: Sampler Name: (Print Name)

QC Deliverables (Batch QC) \_\_ Level 2 Level 3 Level 4 REMARKS None Project Name: , Vicer Portice Stocker 12/20 Other State: LABORATORY COMMENTS Initiation Tempor Co <u>#</u> Rec Lab Temp: エマナ Analyze For Quote #: gruer (Specify) Preservation & # of Container erpsnot os²l HORN IO CONF Matrix GW - Groundwater WW - Wastewater Specify Other pilosylios - S DW - Drinking Water Spudge Field Filtered G = Grab, C = Composite Time Sampled 9-6 Date Sampled Sampler Signature: Rush (surcharges may apply) z Special instructions: Fax Results: TAL Standard Date Needed: SAMPLE ID

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# Test/America

Mr. James Huff HUFF & HUFF INC. 512 West Burlington Suite 100 LaGrange, IL 60525 12/01/2000

Job Number: 00.12976

IEPA Cert. No.: 100221 WDNR Cert. No.: 999447130

Enclosed is the Analytical and Quality Control reports for the following samples submitted to Bartlett Division of TestAmerica for analysis.

Project Description: Nicor; Pontiac IL.

Sample Number	Sample Description	siblage field	Date Taken	Date Received
608138	S2		11/17/2000	11/22/2000
608139	S3		11/17/2000	11/22/2000

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. These results apply only to the samples analyzed. Reproduction of this report only in whole is permitted. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Procedures used follow TestAmerica Standard Operating Procedures which reference the methods listed on your report. Should you have questions regarding procedures or results, please do not hesitate to call. TestAmerica has been pleased to provide these analytical services for you.

This Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Project Manager

Page 1 of 6

Approved by



### ANALYTICAL REPORT

Mr. James Huff HUFF & HUFF INC.

512 West Burlington Suite 100

LaGrange, IL 60525

12/01/2000

Sample No. : 608138

Job No.: 00.12976

Sample Description:

Nicor; Pontiac IL.

Date Received: 11/22/2000 Time Received: 11:15 Date Taken: 11/17/2000

Time Taken:

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
pH, Non-Aqueous	8.16		units	0.10	11/28/2000	kmt	SW 9045B
Solids, Total	81.6		96	0.1	11/29/2000	kmt	SM 2540
Mercury, CVAA	<0.49	MX	mg/kg dw	0.049	11/30/2000	efw2	SW 7471A

MX : Dilution required due to sample matrix; analyte is not detected.



#### ANALYTICAL REPORT

Mr. James Huff HUFF & HUFF INC. 512 West Burlington Suite 100 12/01/2000

Sample No. : 608139

LaGrange, IL 60525 Job No.: 00.12976

Sample Description: S3

Nicor; Pontiac IL.

Date Taken: 11/17/2000 Date Received: 11/22/2000

Time Taken: Time Received: 11:15

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
pH, Non-Aqueous	8.47		units	0.10	11/28/2000	kmt	SW 9045B
Solids, Total	81.8		ક્ષ	0.1	11/29/2000	kmt	SM 2540
Mercury, CVAA	<0.49	MX	mg/kg dw	0.049	11/30/2000	efw2	SW 7471A

MX : Dilution required due to sample matrix; analyte is not detected.



Mr. James Huff HUFF & HUFF INC. 512 West Burlington Suite 100 LaGrange, IL 60525 12/01/2000

Job Number: 00.12976

IEPA Cert. No.: 100221 WDNR Cert. No.: 999447130

Project Description: Nicor; Pontiac IL.

#### CASE NARRATIVE

No analytical exceptions were noted outside of routine method protocols.

Page 4 of 6



#### KEY TO ABBREVIATIONS and METHOD REFERENCES

		KEY TO ABBREVIATIONS and METHOD REFERENCES
<	:	Less than; When appearing in the results column indicates the analyte was not detected at or above the reported value.
mg/L	ŧ	Concentration in units of milligrams of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per million (ppm).
ug/g	ŧ	Concentration in units of micrograms of analyte per gram of sample. Measurement used for non-aqueous samples. Can also be expressed as parts per million (ppm) or mg/Kg.
ug/L	:	Concentration in units of micrograms of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per billion (ppb).
ug/Kg	:	Concentration in units of micrograms of analyte per kilogram of sample. Measurement used for non-aqueous samples. Can also be expressed as parts per billion (ppb).
TCLP	:	These initials appearing in front of an analyte name indicate that the Toxicity Characteristic Leaching Procedure (TCLP) was performed for this test.
Surr:	ż	These initials are the abbreviation for surrogate. Surrogates are compounds that are chemically similar to the compounds of interest. They are part of the method quality control requirements.
*	:	Percent; To convert ppm to %, divide the result by 10,000.  To convert % to ppm, multiply the result by 10,000.
ICP	:	Indicates analysis was performed using Inductively Coupled Plasma Spectroscopy.
AA	:	Indicates analysis was performed using Atomic Absorption Spectroscopy.
GFAA	:	Indicates analysis was performed using Graphite Furnace Atomic Absorption Spectroscopy.
PQL	:	Practical Quantitation Limit; the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
Method	References	Times of processin and accuracy during fourthe faboratory operating conditions.
ASTM	"American So	ciety for Testing Materials"
EPA	"Methods for	Chemical Analysis of Water and Wastes", USEPA, EPA 600/4-79-020, Revised March 1983.
EPA	"Test Method	s for Organic Chemical Analysis of Municipal and Industrial Wastewater", EPA 600/4-82-057, July
SDWA	"Methods for September 19	the Determination of Organic Compounds in Finished Drinking Water and Raw Source Water", USEPA, 86.
SDWA	"Methods for	the Determination of Metals in Environmental Samples", Supplement I USEPA, EPA-600/R-94/111, May

Page 5 of 6

"Standard Methods for the Examination of Water and Wastewater", APHA-AWWA-WPCF, 18th Edition.

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", USEPA, SW-846.

SM

SW



#### ATTACHMENT: CHAIN OF CUSTODY

Following are the chain of custody documents associated with the samples pertaining to this report.

PAGE 6 of 6

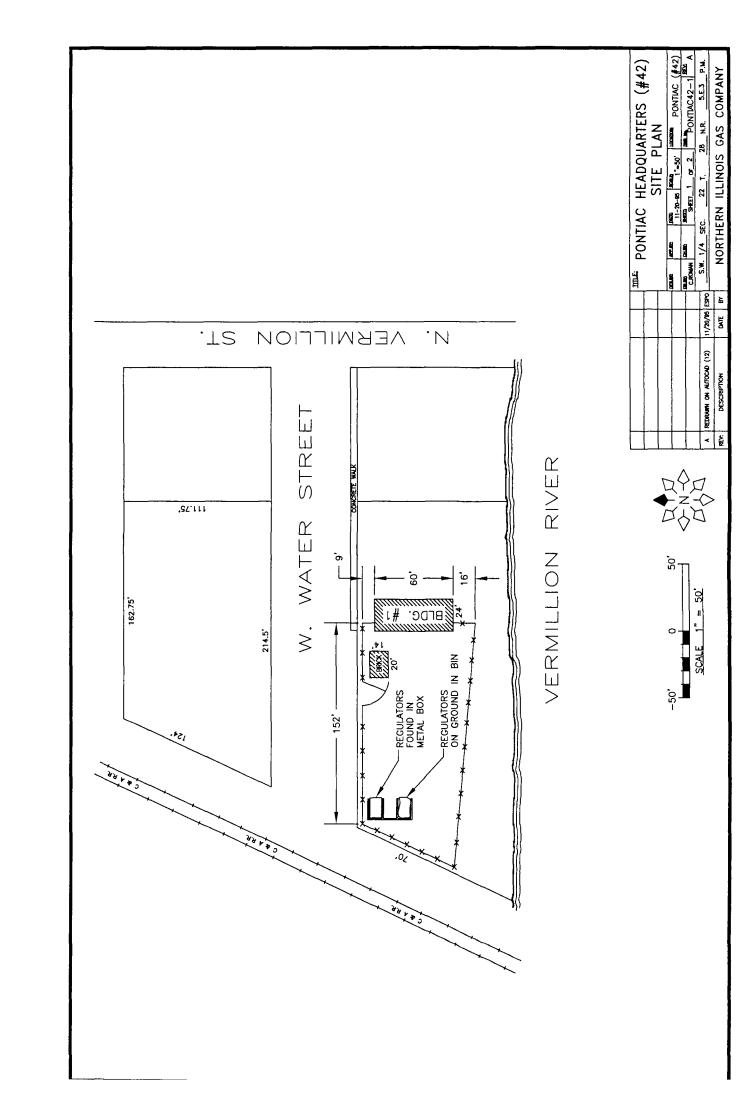
## Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site information	
Site name:	Pontiac Reporting Center
Site location:	722 W. Water St. Pontiac, IL
Site contact and phone no:	Bob Purchase, (815) 740-4100
2. Initial Site Visit	
Date of initial site visit: Huff & Huff personnel on site:	10/26/00 Homa Rizvi
No. of scrap piles: Scrap contained in: Box owner: Box ID no: Ground surface beneath scrap:	2 Box ☒ Concrete bin ☒ On the ground ☐ Pontiac Recyclers none evident Asphalt ☒ Gravel ☐ Concrete ☒ Soil ☐
Description of scrap: Scrap was contained in a metal box and it were identified in both areas.	n a bin (concrete floor and wooden walls). Regulators
Photographs attached:	Yes 🛛 No 🗌
Screening of scrap: Jerome Meter readings (mg Hg/ m³)	Yes 🛛 No 🗌
Piles (uncovered):	0.000 0.000 0.000 0.000 0.000 0.000
3. Scrap Metal Segregation	
Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	11/7/00 Homa Rizvi D
Location where scrap was sorted: Figure attached:	Site Scrap yard Yes No
Screening before segregation: Jerome Meter readings (mg Hg/ m³): Piles (uncovered):	Yes No \( \bigcap \) 0.000 \( 0.000 \) 0.000 \( 0.000 \) 0.000 \( 0.000 \) 0.000

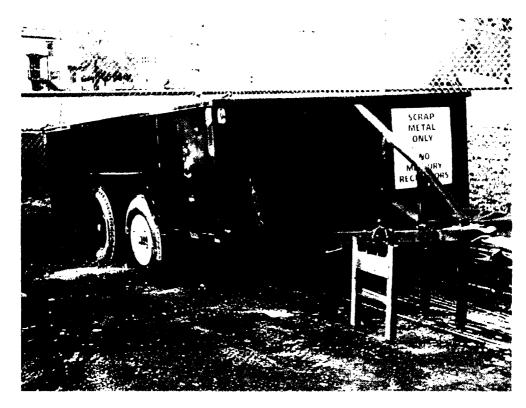
#### 3. Scrap Metal Segregation (continued) Description of segregation activities: A rolloff box was delivered to the site and was lined with plastic sheeting (200231). Plastic sheeting was spread onto the asphalt ground between the concrete bin and the rolloff The scrap was sorted on the plastic sheeting and then transferred into the rolloff box. using a Bobcat excavator and by hand. Thirty-three mercury-type regulators were identified and placed into a 55-gallon drum and a one-yard box, both lined with plastic sheeting. No mercury beads were identified. No. of Hg-type regulators: 33 (1 drum, 1 box) Heritage via Heritage Location shipped to/via: Yes No No Manifests attached: Volume of scrap: 20 cubic yards No. of scrap boxes shipped off-site: 1 rolloff box (box no. 200231) Location shipped to/via: United Scrap via Ozinga Transportation Shipping papers attached: Yes No No Yes \ No \ Photographs attached: Yes No 🗌 Screening after segregation: Jerome Meter readings (mg Hg/m<sup>3</sup>) Ground beneath piles (covered): 0.000 0.000 0.000 0.000 0.000 0.000 Scrap shipped off-site (covered): 0.000 0.000 0.0000.0000.0000.0004. Sample Collection and Analysis Yes \[ \] No \[ \] Soil samples collected: 5. Additional Comments None. 6. Status Thirty-three mercury-type regulators identified. All Jerome Meter readings achieve objective (<0.010 mg Hg/m<sup>3</sup>).

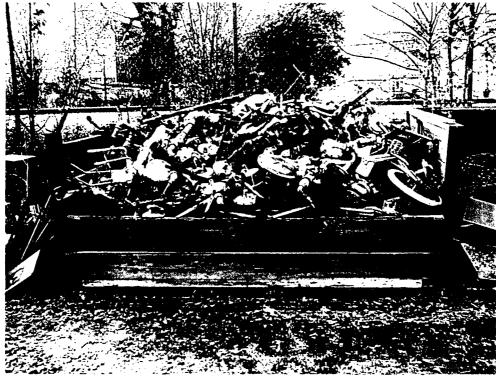
N/A – Not Applicable

Work complete. No follow up required.



#### PONTIAC REPORTING CENTER October 26, 2000





STATE OF ILLINOIS

P.O. BOX 19276

SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761

FOR SHIPMENT OF HAZARDOUS AND SPECIAL WASTE

LPC 62 8/81 IL532-0610 State Form PLEASE TYPE (Form designed for use on elite (12-pitch) typewriter.) EPA Form 8700-22 (Rev. 6-89) Form Approved. OMB No. 2050-0039 Manifest Document No. Information in the shaded areas is not required by Federal law, but is required by Illinois law. 1. Generator's US EPA ID No. **UNIFORM HAZARDOUS** 1 WASTE MANIFEST ILD000012716 94386 A. Illinois Manifest Document Number IL 9294386 FEE PAID IF APPLICABLE NGCORREST Name and Mailing Address Location If Different 722 WEST WATER 1644 FERRY ROAD NAPERVILLE, (L 60563 PONTIAC, IL. 67164 Generator's IL ID Number 11 10 15 10 16 10 15 10 15 PW 3 1 4 4 6 0 4. \*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS\* Transporter 9 US EPA ID Number 5. Transporter 1 Company Name ID Number D. Transporter's Phone (317)381-5848 IND058484114 HERICIAGE TRANSPURT LLC - HR/E US EPA ID Number 7. Transporter 2 Company Name 8. E. Transporter's ID Number F. Transporter's Phone ( 9. Designated Facility Name and Site Address 10 US EPA ID Number G. Facility's IL. HERITAGE ENVIRONMENTAL SERVICES LLC 10 Number | 0, 3, 1, 1, 6, 2, 0, 0, 0, 7 15330 CANAL BANK RUAD H. Facility's Phone ( (630) 739-1151 LEMONT, IL 60439 ILD085349264 12. Containers 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 13 Unit Total Waste No. Type Quantity Wt/Vol G **EPA HW Number** atb = a.RQ, HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, D009 620# E (high mercury debris) N ERG#171 0.0.2 Oi Oi Oi Oi E EPA HW Number b.RQ, HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, R 5 D009 PGIII (HIGH MERCURY DEBRIS) ERG#171 5  $0.0.1 | D.M | O_1 O_1 O_1 7_1 O_1$ **EPA HW Number** C. 0 EPA HW Number d. K. Handling Codes for Wastes Listed Above In Item #14 # Additional Description for Materials Listed Above ...62295<del>-</del>1 ·--62295-1 FACILITY WASTE **等等,通过下海,通过** 15. Special Handling Instructions and Additional Information 24 HOUR EMERGENCY PHONE # 1-800-48-SPILL CUNTACT: INFOTRAK 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Date Printed/Typed Name Signature Month Day MIKE SPENCER AS AGENT FOR NICOR 1 2 0 4 0 ( 17. Transporter 1 Acknowledgement of Receipt of Materials Date Printed/Typed Name Month Day Yea Signature ANSPORTER MIKE SPENCER 1 2 0 4 0 ( 18. Transporter 2 Acknowledgement of Receipt of Materials Date Month Day Printed/Typed Name Signature 19. Discrepancy Indication Space Replaces Manifest IL9293562, 119303098 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Signature Month Day

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.



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## Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site Information	
Site name:	Prospect Heights Reporting Center
Site location:	45 E. Palatine Rd. Prospect Heights, IL 60070
Site contact and phone no:	Mike Henderson (708) 544-5707
2. Initial Site Visit	
Date of initial site visit: Huff & Huff personnel on site:	09/07/00 James E. Huff
No. of scrap piles: Scrap contained in: Box owner: Box ID no. Ground surface beneath scrap:	2 Box  Concrete bin  On the ground  C&R Scrap Chicago None evident Asphalt  Gravel  Concrete  Soil
Description of scrap: Two lugger boxes.	
Photographs attached:	Yes ⊠ No □
Screening of scrap:  Jerome Meter readings (mg Hg/ m³)  Scrap in North Box (uncove Scrap in South Box (uncove	
3. Scrap Metal Segregation	
First Segregation Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	09/07/00 James E. Huff C
Location where scrap was sorted: Figure attached:	Site ⊠ Scrap yard ☐ Yes ⊠ No ☐
Screening before segregation:	Yes ⊠ No ☐ (See "2. Initial Site Visit": same day)

#### 3. Scrap Metal Segregation (continued) Description of segregation activities: Two roll-off boxes brought to site and double lined with plastic. Plastic sheeting spread between lugger boxes and roll-off boxes. Scrap was then transferred with magnetic crane, visually inspecting each magnetic pickup. Where necessary, a magnetic load was lowered onto the ground on double lined plastic for closer inspection. No mercury regulators or mercury beads were found. 0 No. of Hg-type regulators: 30 cubic yards Volume of scrap: No. of scrap boxes shipped off-site: Location shipped to/via: United Scrap via Ozinga Photographs attached: Yes No No Yes No No Screening after segregation: Jerome Meter readings (mg Hg/ m<sup>3</sup>) Empty North Box, after clean (uncovered): 0.003 0.000 0.000 0.000 Empty South Box, after clean (uncovered): 0.000 0.000 0.0000.000Ground around boxes (uncovered; 10/19/00): 0.000 0.0000.0000.000 0.000 Second Segregation Date of scrap segregation: 11/13/00 Huff & Huff personnel on site: Darren Greving Level of Personal Protective Equipment: D Site X Scrap yard \_\_\_ Location where scrap was sorted: Yes No Figure attached: Screening before segregation: Yes \ No \ Description of segregation activities: Additional scrap had been accumulated in the lugger boxes between September 7 and November 13, 2000. So, the lugger boxes were emptied onto double lined plastic on the ground, hand sorted for mercury regulators (none were found), and then loaded into the original two roll-off boxes, as room was available. 0 No. of Hg-type regulators: 40 cubic yards (Total, includes 1<sup>st</sup> Segregation) Volume of scrap:

2 roll-off boxes

United Scrap via Ozinga Transportation

No. of scrap boxes shipped off-site:

Location shipped to/via:

Shipping papers attached:		Yes	⊠ No [				
Photographs attached:		Yes	No [				
Screening after segregation Jerome Meter readings (my Empty North Box (u Empty South Box (u Scrap shipped offsite (1 Scrap shipped offsite (2 a/ The 0.012 reading could not  4. Sample Collection and	g Hg/ m <sup>3</sup> ) ncovered): ncovered): covered): covered): be duplicated	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 ond Jerome	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 h recorded	0.000 0.000 0.000 0.000	0.012 a/ 0.000 0.000
Soil samples collected: Date of sample collection: Collected by: Figure attached: Analytical laboratory:		12/2 Dari Yes	No [ 20/00 ren Grevi No [ America	ng	cted at Pr	ospect Ht	S
Sample ID	Total Hg,	mg/kg (d	lry wt)	TCLP H	g, mg/L		
Below North Box Below South Box	11.0 0.28			<0.000 not ana		w Total H	g result)
5. Additional Comments		<u></u>	<del> </del>			<del></del>	
C&R Scrap owned the two segregated at Prospect Hts boxes were screened on 09	on 09/07/00	). No Hg	g-type reg	gulators we	re found.	The emp	ty lugger
Nicor Gas continued to addresorted. No Hg-type regulation 11/13/00.							

#### 6. Status

No mercury-type regulators identified.

All Jerome Meter readings achieve objective (<0.010 mg Hg/m<sup>3</sup>).

Soil sample results achieve the industrial/commercial and construction worker objectives (<61 mg/kg; construction worker Tier 1 Objective), but not the residential objective (10 mg/kg).

N/A – Not Applicable

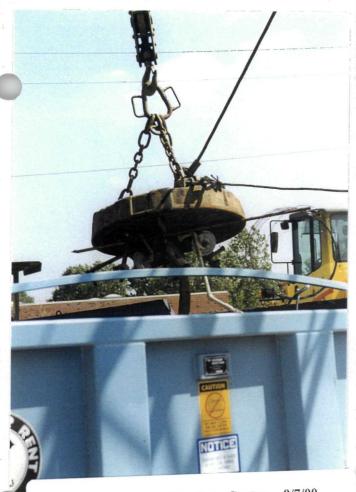
 $E:\lDOC\Nicor\Mercury\ReportingCenters\SummaryForms\ProspectHts.doc$ 

FRONTAGE ROAD GATE BUILDING CONCRETE SOIL SAMPLE LOCATIONS LUGGER BOX LOCATIONS -GRAVEL



PROSPECT HEIGHTS HEADQUARTERS SITE LAYOUT MAP

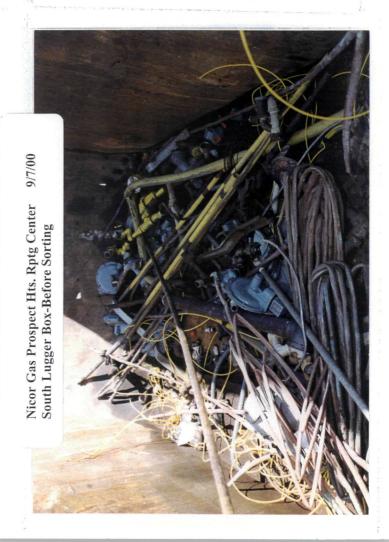
CADFILE: PROSPECTHEIGHTS



Nicor Gas Prospect Hts. Rptg Center 9/7/00 Scrap Sorting/Transfer



Nicor Gas Prospect Hts. Rptg Center 9/7/00 North Lugger Box-Before Sorting





E 613986

21900 South Central Ave. Matteson, IL 60443 (708) 720-6000

WEIGHT(lb)

Ship To:

Shipper:

LOAD **EMPTY** 

Date 11/13/00 Delivery Date \_ NICOR 45 E Palatine P. Hiringe P.O. No. 1915 PRODUCT DESCRIPTION C.O.D. AMOUNT Price Tax Total

SOURCE **ADDRESS** TICKET NO. 45 E Pala Time Ad. NICON LOAD TIMES **HOURLY** 

PORTAL TO PORTAL 2 3 4 5 LOCATION (1,) TIME Arrive Begin Load 570 Start Mall.10 Finish 11:30 1150 Depart Total Total REQUESTED | REASON FOR DELAY アベシン 611000 MANIFEST NUMBER:

LOADER SIGNATURE SIGNATURE OTSI LINER? Y / (N)

**HOW MANY?** ROLL OFF BOX NUMBERS DROPPED 200131
AT CUSTOMER 2 0 3 7 Arrive Begin Unload End Unload AT CUSTOMER 24577 Depart COMMENTS

**UNLOAD TIMES** 5 Total REQUESTED REASON FOR DELAY

OTS! TRAILER

TRUCK #

751

TIME RECEIVER SIGNATURE

DRIVER SIGNATURE TRUCK # OTS: TRAILER

CUSTOMER COPY

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Metal Buyers and Recyclers

**Weight Ticket** 

1545 South Cicero Avenue Cicero, Illinois 60804

FAX 708/780-0510 TEL 708/780-6800 274577

Truck / Trailer No.

Customer

Address

15T 130x

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YIMD STEEL

Carrier (

Driver

4.07 FM 11 13 00 68263 TARE 62500 16 - 1172016 NeT

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ers Weight

Metal Buyers and Recyclers 1545 South Cicero Avenue Cicero, Illinois 60804 FAX 708/780-0510 TEL 708/780-6800

Weight Ticket

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TESTAMEP" "A INC.

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#### ANALYTICAL REPORT

Mr. Darren Greving 01/02/2001 HUFF & HUFF INC.

512 West Burlington Sample No. : 611521

Suite 100

LaGrange, IL 60525 Job No.: 00.13970

Sample Description: Nicor Prospect Heights North Box

Date Taken: 12/20/2000 Date Received: 12/21/2000

Time Taken: Time Received: 16:45

Parameter Result Flag Units Reporting Date Analyst Analytical Limit Analyzed Initials Method

Solids, Total 88.4 % 0.1 12/29/2000 jht SM 2540

Mercury, CVAA 0.28 mg/kg dw 0.045 12/28/2000 efw2 SW 7471A



Mr. Darren Greving 01/02/2001

HUFF & HUFF INC.
512 West Burlington Sample No.: 611522

Suite 100

LaGrange, IL 60525 Job No.: 00.13970

Sample Description: Nicor Prospect Heights South Box

Date Taken: 12/20/2000 Date Received: 12/21/2000

Time Taken: Time Received: 16:45

Parameter Result Flag Units Reporting Date Analyst Analytical Limit Analyzed Initials Method

Solids, Total 79.7 % 0.1 12/29/2000 jht SM 2540

Mercury, CVAA 11 mg/kg dw 0.050 12/28/2000 efw2 SW 7471A



Mr. Darren Greving HUFF & HUFF INC. 512 West Burlington Suite 100 LaGrange, IL 60525

01/02/2001

Job Number: 00.13970

IEPA Cert. No.: 100221 WDNR Cert. No.: 999447130

Project Description:

#### CASE NARRATIVE

No analytical exceptions were noted outside of routine method protocols.

Page 6 of 8



Less than; When appearing in the results column indicates the analyte was not detected at or

: These initials are the abbreviation for surrogate. Surrogates are compounds that are chemically

similar to the compounds of interest. They are part of the method quality control requirements.

		above the reported value.
mg/L	:	Concentration in units of milligrams of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per million (ppm).
ug/g	:	Concentration in units of micrograms of analyte per gram of sample. Measurement used for non-aqueous samples. Can also be expressed as parts per million (ppm) or mg/Kg.
ug/L	:	Concentration in units of micrograms of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per billion (ppb).
ug/Kg	:	Concentration in units of micrograms of analyte per kilogram of sample. Measurement used for non-aqueous samples. Can also be expressed as parts per billion (ppb).
TCLP	:	These initials appearing in front of an analyte name indicate that the Toxicity Characteristic Leaching Procedure (TCLP) was performed for this test.

Percent; To convert ppm to %, divide the result by 10,000.
To convert % to ppm, multiply the result by 10,000.

: Indicates analysis was performed using Inductively Coupled Plasma Spectroscopy.

AA : Indicates analysis was performed using Atomic Absorption Spectroscopy.

GFAA : Indicates analysis was performed using Graphite Furnace Atomic Absorption Spectroscopy.

PQL : Practical Quantitation Limit; the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

#### Method References

Surr:

ICP

ASTM "American Society for Testing Materials"

EPA "Methods for Chemical Analysis of Water and Wastes", USEPA, EPA 600/4-79-020, Revised March 1983.

EPA "Test Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", EPA 600/4-82-057, July 1982.

SDWA "Methods for the Determination of Organic Compounds in Finished Drinking Water and Raw Source Water", USEPA, September 1986.

SDWA "Methods for the Determination of Metals in Environmental Samples", Supplement I USEPA, EPA-600/R-94/111, May

SM "Standard Methods for the Examination of Water and Wastewater", APHA-AWWA-WPCF, 18th Edition.

SW "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", USEPA, SW-846.

Page 7 of 8



Mr. Darren Greving HUFF & HUFF INC. 512 West Burlington Suite 100 LaGrange, IL 60525 01/22/2001

Job Number: 01.00040

IEPA Cert. No.: 100221 WDNR Cert. No.: 999447130

Enclosed is the Analytical and Quality Control reports for the following samples submitted to Bartlett Division of TestAmerica for analysis.

Project Description: Nicor

Sample Date Date Number Sample Description Taken Received

613111 Nicor Prospect Heights South Box 12/20/2000 12/21/2000

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. These results apply only to the samples analyzed. Reproduction of this report only in whole is permitted. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Procedures used follow TestAmerica Standard Operating Procedures which reference the methods listed on your report. Should you have questions regarding procedures or results, please do not hesitate to call. TestAmerica has been pleased to provide these analytical services for you.

This Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Approved by:

Project Manager

Pohert E. White

Page 1 of 5



Mr. Darren Greving HUFF & HUFF INC. 512 West Burlington

Sample No. : 613111

01/22/2001

Suite 100

LaGrange, IL 60525

Job No.: 01.00040

Sample Description:

Nicor Prospect Heights South Box

Nicor

Date Taken: 12/20/2000

Date Received:

12/21/2000

Time Taken:

Time Received:

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
TCLP Metals Extraction TCLP-Mercury, CVAA	Leached	IS	mg/L	0.0002	01/15/2001 01/22/2001	kkp efw2	SW 1311 SW 7470A

IS: Insufficient sample, Method requires a minimum weight of 100 grams.



Mr. Darren Greving HUFF & HUFF INC. 512 West Burlington Suite 100 LaGrange, IL 60525

01/22/2001

Job Number: 01.00040

IEPA Cert. No.: 100221 WDNR Cert. No.: 999447130

Project Description: Nicor

#### CASE NARRATIVE

No analytical exceptions were noted outside of routine method protocols.

Page 3 of 5



#### KEY TO ABBREVIATIONS and METHOD REFERENCES

<	: Less than; When appearing in the results column indicates the above the reported value.	e analyte was not detected at or
mg/L	: Concentration in units of milligrams of analyte per liter of aqueous samples. Can also be expressed as parts per million (	-
ug/g	: Concentration in units of micrograms of analyte per gram of some non-aqueous samples. Can also be expressed as parts per mill	
ug/L	: Concentration in units of micrograms of analyte per liter of aqueous samples. Can also be expressed as parts per billion (	•
ug/Kg	: Concentration in units of micrograms of analyte per kilogram non-aqueous samples. Can also be expressed as parts per bill	
TCLP	: These initials appearing in front of an analyte name indicate Leaching Procedure (TCLP) was performed for this test.	that the Toxicity Characteristic
Surr:	: These initials are the abbreviation for surrogate. Surrogates similar to the compounds of interest. They are part of the m	- · · · · · · · · · · · · · · · · · · ·
ovo	: Percent; To convert ppm to %, divide the result by 10,000.  To convert % to ppm, multiply the result by 10,000	
ICP	: Indicates analysis was performed using Inductively Coupled Pl	asma Spectroscopy.
AA	: Indicates analysis was performed using Atomic Absorption Spec	troscopy.
GFAA	: Indicates analysis was performed using Graphite Furnace Atomi	c Absorption Spectroscopy.
PQL	: Practical Quantitation Limit; the lowest level that can be re limits of precision and accuracy during routine laboratory op	
Method	d References	
ASTM	"American Society for Testing Materials"	
EPA	"Methods for Chemical Analysis of Water and Wastes", USEPA, EPA 600/4-79-0	20, Revised March 1983.
EPA	"Test Methods for Organic Chemical Analysis of Municipal and Industrial Wa 1982.	stewater", EPA 600/4-82-057, July
SDWA	"Methods for the Determination of Organic Compounds in Finished Drinking W September 1986.	ater and Raw Source Water", USEPA,
SDWA	"Methods for the Determination of Metals in Environmental Samples", Supple 1994.	ment I USEPA, EPA-600/R-94/111, May

Page 4 of 5

"Standard Methods for the Examination of Water and Wastewater", APHA-AWWA-WPCF, 18th Edition.

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", USEPA, SW-846.

SM

SW



## ATTACHMENT: CHAIN OF CUSTODY

Following are the chain of custody documents associated with the samples pertaining to this report.

## Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site Information						
Site name:	Rock Falls Reporting Center					
Site location:	1407 McNeil Rd., Station 208 Rock Falls, IL 61071					
Site contact and phone no:	Steve Martin (630) 629-2500					
2. Initial Site Visit						
Date of initial site visit: Huff & Huff personnel on site:	11/21/00 Floro Ham					
No. of scrap piles:	0					
Description of scrap:  No scrap metal present on site. Area of former scrap pile identified by Nicor Gas as area of soil covered with plastic sheeting.						
Photographs attached:	Yes 🛛 No 🗌					
Screening of scrap:	Yes No No					
Jerome Meter readings (mg Hg/ m³) Former scrap area (covered):	0.000 0.000 0.000 0.000 0.000					
3. Scrap Metal Segregation						
N/A: no scrap present on site.						
4. Sample Collection and Analysis						
Soil samples collected:	Yes 🛛 No 🗌					
Soil samples collected: Date of sample collection: Collected by: Figure attached:	Yes ⊠ No ☐ Collected at Rock Falls 03/16/01 Homa Rizvi Yes ⊠ No ☐					
Analytical laboratory:	Test America					

#### 4. Sample Collection and Analysis

Sample ID	Total Hg, mg/kg (dry wt)	TCLP Hg mg/L	рН
S1	<0.048	<0.0002	8.09
S2	<0.050	< 0.0002	7.19
S3	0.092	< 0.0002	7.60
S4	0.36	< 0.0002	7.59
S5	0.27	< 0.0002	7.76

### 5. Additional Comments

None.

#### 6. Status

No mercury-type regulators identified.

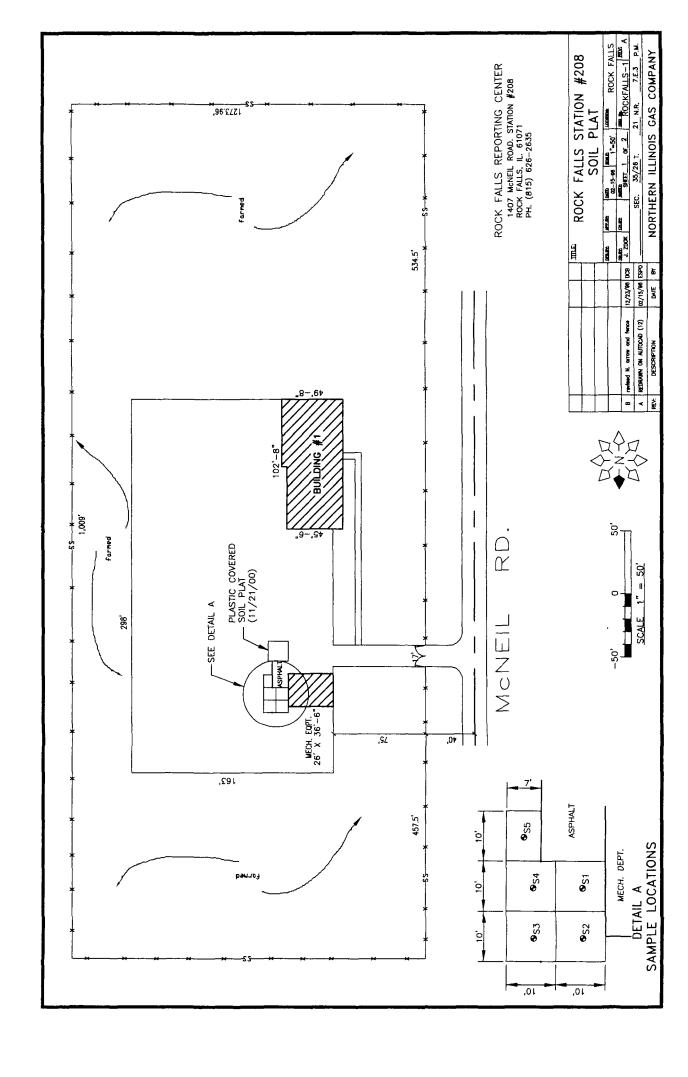
All Jerome Meter readings achieve objective (<0.010 mg Hg/m³).

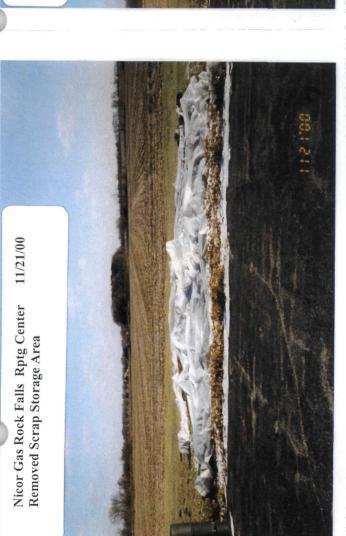
Soil sample results achieve objectives (<10 mg/kg, residential Tier 1 Objective; <0.002 mg/L TCLP soil component of Class I Groundwater Tier 1 Objective).

Work complete. No follow up required.

N/A – Not Applicable

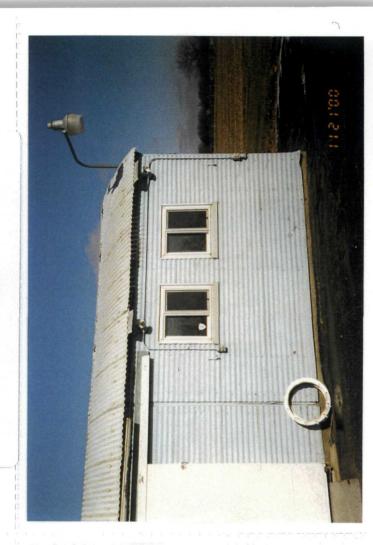
 $E:\label{localization} E:\label{localization} IDOC\ncor\mbox{Mercury}\ncor\mbox{ReportingCenters}\ncor\mbox{SummaryForms}\ncor\mbox{RockFalls.doc}$ 







Nicor Gas Rock Falls Rptg Center 11/21/00 Spare Parts Storage Building



To assist us in using the proper analytical methods. is this work being conducted for regulatory purposes? Compliance Monitoring	Nion - Rack Fellos	ROX FALLS State: 11-	HOWA RIZWI	HAMA KIZIM PO# 016557	) For:	None Level 2 (Beth QC) Level 3	Level 4 Other:	KEMAKKS								LABORATORY COMMENTS.  INITIAND Temp / C Start C.	To compare the same of the sam	
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# Test/America

Sarah Monette HUFF & HUFF INC. 512 West Burlington Suite 100 LaGrange, IL 60525 03/26/2001

Job Number: 01.02162

IEPA Cert. No.: 100221 WDNR Cert. No.: 999447130

Enclosed is the Analytical and Quality Control reports for the following samples submitted to Bartlett Division of TestAmerica for analysis.

Project Description: Nicor - Rock Falls, IL.

Sample	Sample Description	Date	Date
Number		Taken	Received
620056	S1	03/15/2001	03/16/2001
620057	S2	03/15/2001	03/16/2001
620058	S3	03/15/2001	03/16/2001
620059	S4	03/15/2001	03/16/2001
620060	S5	03/15/2001	03/16/2001

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. These results apply only to the samples analyzed. Reproduction of this report only in whole is permitted. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Procedures used follow TestAmerica Standard Operating Procedures which reference the methods listed on your report. Should you have questions regarding procedures or results, please do not hesitate to call. TestAmerica has been pleased to provide these analytical services for you.

This Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Approved by:

Project Manager

Page 1 of 9

P.02/10



### ANALYTICAL REPORT

Sarah Monette HUFF & HUFF INC. 03/26/2001

512 West Burlington Suite 100 Sample No. : 620056

LaGrange, IL 60525

Job No.: 01.02162

Sample Description:

S1 Nicor - Rock Falls, IL.

Date Taken: 03/15/2001 Date Received

Time Taken:

Date Received: 03/16/2001

Time Received: 11:15

Parameter	Result	Plag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
pH, Non-Aqueous	8.09		units	0.10	03/21/2001	jht	SW 9045B
Solids, Total	84.2		*	0.1	03/21/2001	jht	SM 2540
TCLP Metals Extraction	Leached				03/19/2001	kkp	SW 1311
Mercury, CVAA	<0.048		mg/kg dw	0.048	03/25/2001	jtt	SW 7471A
TCLP-Mercury, CVAA	<0.0002		mg/L	0.0002	03/22/2001	efw2	SW 7470A



03/26/2001

Sample No.: 620057 Job No.: 01.02162 Sarah Monette HUFF & HUFF INC.

512 West Burlington Suite 100

LaGrange, IL 60525

Nicor - Rock Falls, IL. 03/16/2001 Date Received: Sample Description: 11:15 Time Received: Analytical

03/15/2001 Analyst Method Date

Date Taken: Initials Reporting Time Taken: Analyzed Units Limit SW 9045B Flag Result the 03/21/2001 SM 2540 jht Parameter 03/21/2001 SW 1311 01.0 units kkp 03/19/2001 SW 7471A 1.0 7.19 jtt ¥ SW 7470A 03/25/2001 80.2 efw2 pH, Non-Aqueous 0.050 03/22/2001 mg/kg dw Leached Solids, Total 0.0002 TCLP Metals Extraction mg/L <0.050 <0.0002 Mercury, CVAA TCLP-Mercuty, CVAA



Sarah Monette HUFF & HUFF INC. 512 West Burlington

Sample No. : 620058

03/26/2001

Suite 100

Job No.: 01.02162

LaGrange, IL 60525

00B NO.: 01

Sample Description: S3

Nicor - Rock Falls, IL.

Date Taken: 03/15/2001 Time Taken:

Date Received: 03/16/2001

Time Received: 11:15

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
pH, Non-Aqueous	7.60		units	0.10	03/21/2001	jht	SW 9045B
Solids, Total	82.7		ķ	0.1	03/21/2001	jht	SM 2540
TCLP Metals Extraction	Leached				03/19/2001	kkp	SW 1311
Mercury, CVAA	0.092		ng/kg dw	0.048	03/25/2001	jtt	SW 7471A
TCLP-Mercury, CVAA	<0.0002		mg/L	0.0002	03/22/2001	efw2	SW 7470A



Sarah Monette HUFF & HUFF INC. 512 West Burlington

Suite 100

LaGrange, IL 60525

Sample Description: S4 Nicor - Rock Falls, IL.

Date Taken: 03/15/2001 Time Taken:

03/26/2001

Sample No. : 620059

Job No.: 01.02162

Date Received: 03/16/2001 Time Received: 11:15

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
pH, Non-Aqueous	7.59		units	0.10	03/21/2001	jht	SW 9045B
Solids, Total	83.8		*	0.1	03/21/2001	jht	SM 2540
TCLP Metals Extraction	Leached				03/19/2001	kkp	SW 1311
Mercury, CVAA	0.36		mg/kg dw	0.048	03/25/2001	jtt	SW 7471A
TCLP-Mercury, CVAA	<0.0002		mg/L	0.0002	03/22/2001	efw2	SW 7470A



Sarah Monette HUFF & HUFF INC. 512 West Burlington

Suite 100

LaGrange, IL 60525

03/26/2001

Sample No. : 620060

Job No.: 01.02162

Sample Description:

S5 Nicor - Rock Falls, IL.

Date Taken: 03/15/2001 Time Taken:

Date Received: 03/16/2001 Time Received: 11:15

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
pH, Non-Aqueous	7.76		units	0.10	03/21/2001	jht	SW 9045B
Solids, Total	85.9	•	ŧ	0.1	03/21/2001	jht	SM 2540
TCLP Metals Extraction	Leached				03/19/2001	kkp	SW 1311
Mercury, CVAA	0.27		mg/kg dw	0.047	03/25/2001	jtt	SW 7471A
TCLP-Mercury, CVAA	<0.0002		mg/L	0.0002	03/22/2001	efw2	SW 7470A

## Test/America

Sarah Monette HUFF & HUFF INC. 512 West Burlington Suite 100 LaGrange, IL 60525 03/26/2001

Job Number: 01.02162

IEPA Cert. No.: 100221 WDNR Cert. No.: 999447130

Project Description: Nicor - Rock Falls, IL.

#### CASE NARRATIVE

No analytical exceptions were noted outside of routine method protocols.

Page 7 of 9

September 1986.

SDWA

SW



#### KEY TO ABBREVIATIONS and METHOD REFERENCES

<	:	Less than; When appearing in the results column indicates the analyte was not detected at or above the reported value.
N/S	:	No coliform bacteria were present and the opinion is satisfactory.
P/U	=	Coliform bacteria were present and the opinion is unsatisfactory.
mg/L	·	Concentration in units of milligrams of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per million (ppm).
ug/g	:	Concentration in units of micrograms of analyte per gram of sample. Measurement used for non-aqueous samples. Can also be expressed as parts per million (ppm) or mg/Kg.
ug/L	ŧ	Concentration in units of micrograms of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per billion (ppb).
ug/Kg	:	Concentration in units of micrograms of analyte per kilogram of sample. Measurement used for non-aqueous samples. Can also be expressed as parts per billion (ppb).
TCLP	·	These initials appearing in front of an analyte name indicate that the Toxicity Characteristic Leaching Procedure (TCLP) was performed for this test.
Surr:	•	These initials are the abbreviation for surrogate. Surrogates are compounds that are chemically similar to the compounds of interest. They are part of the method quality control requirements.
*	:	Percent; To convert ppm to %, divide the result by 10,000.  To convert % to ppm, multiply the result by 10,000.
ICP	:	Indicates analysis was performed using Inductively Coupled Plasma Spectroscopy.
AA	:	Indicates analysis was performed using Atomic Absorption Spectroscopy.
GFAA	=	Indicates analysis was performed using Graphite Purnace Atomic Absorption Spectroscopy.
PQL	1	Practical Quantitation Limit; the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
Method	References	The second secon
ASTM	"American S	ociety for Testing Materials"
EPA	"Methods fo	or Chemical Analysis of Water and Wastes", USEPA, EPA 600/4-79-020, Revised March 1983.
EPA	"Test Metho	ods for Organic Chemical Analysis of Municipal and Industrial Wastewater", EPA 600/4-82-057, July
SDWA	"Methods fo	or the Determination of Organic Compounds in Finished Drinking Water and Raw Source Water", USEPA,

SM "Standard Methods for the Examination of Water and Wastewater", APHA-AWWA-WPCF, 18th Edition. "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", USEPA, SW-846.

Page 8 of 9

"Methods for the Determination of Metals in Environmental Samples", Supplement I USEPA, EPA-600/R-94/111, May



## ATTACHMENT: CHAIN OF CUSTODY

Following are the chain of custody documents associated with the samples pertaining to this report.

## Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site Information	
Site name:	Rockford Reporting Center
Site location:	4651 Linden Rd. Rockford, IL 61109
Site contact and phone no:	Steve Martin (630) 629-2500
2. Initial Site Visit	
Date of initial site visit: Huff & Huff personnel on site:	11/30/00 Lisa Paulson
No. of scrap piles: Scrap contained in: Box owner: Box ID no. Ground surface beneath scrap:	2 Box ☑ Concrete bin ☐ On the ground ☐ Behr Not recorded Asphalt ☐ Gravel ☑ Concrete ☑ Soil ☐
Description of scrap: Scrap present in two lugger boxes. One on gravel.	e box located on a concrete slab, the other box located
Photographs attached:	Yes 🛛 No 🗌
Screening of scrap:  Jerome Meter readings (mg Hg/ m³)  Scrap in Box 1 (uncove Scrap in Box 2 (uncove Scrap in Box 2)	,
Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	12/04/00 Homa Rizvi D
Location where scrap was sorted: Figure attached:	Site ☐ Scrap yard ⊠ Behr Yes ⊠ No ☐
Screening before segregation:	Yes 🔲 No 🔀

3. Scrap Metal Segregation	on (continued)	)	<del></del>				
Description of segregation a The two scrap lugger box Plastic sheeting was sprea The scrap was sorted on to No mercury-type regulate	es were transfe ad onto the aspl he plastic shee	halt g ting u	round be sing a ma	tween the agnetic cra	two boxes		
No. of Hg-type regulators:		0					
Volume of scrap: No. of scrap boxes shipped off-site: Location shipped to/via: Shipping papers attached:		20 cubic yards 2 lugger boxes (pre-segregation) Behr via Behr Yes \( \subseteq \text{No } \omega \text{ (none required)} \)					
Photographs attached:		Yes	No [				
Screening after segregation Jerome Meter readings (mg Empt Gravel beneath box at R Concrete beneath box at R Asphalt beneath scrap  4. Sample Collection and	y Hg/ m <sup>3</sup> )  ty boxes (cover)  cockford (cover)  cockford (cover)  at Behr (cover)	red): red): red):	0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000	0.000	
Soil samples collected: Date of sample collection: Collected by: Figure attached: Analytical laboratory:  Sample ID  1 2	Total Hg, mg/ <0.043 <0.046	Hom Yes Test	na Rizvi No [  America		ected at Ro	ockford	
5. Additional Comments							
One of the two Rockford lu to the Behr scrap yard. Scrap							

#### 6. Status

No mercury-type regulators identified.

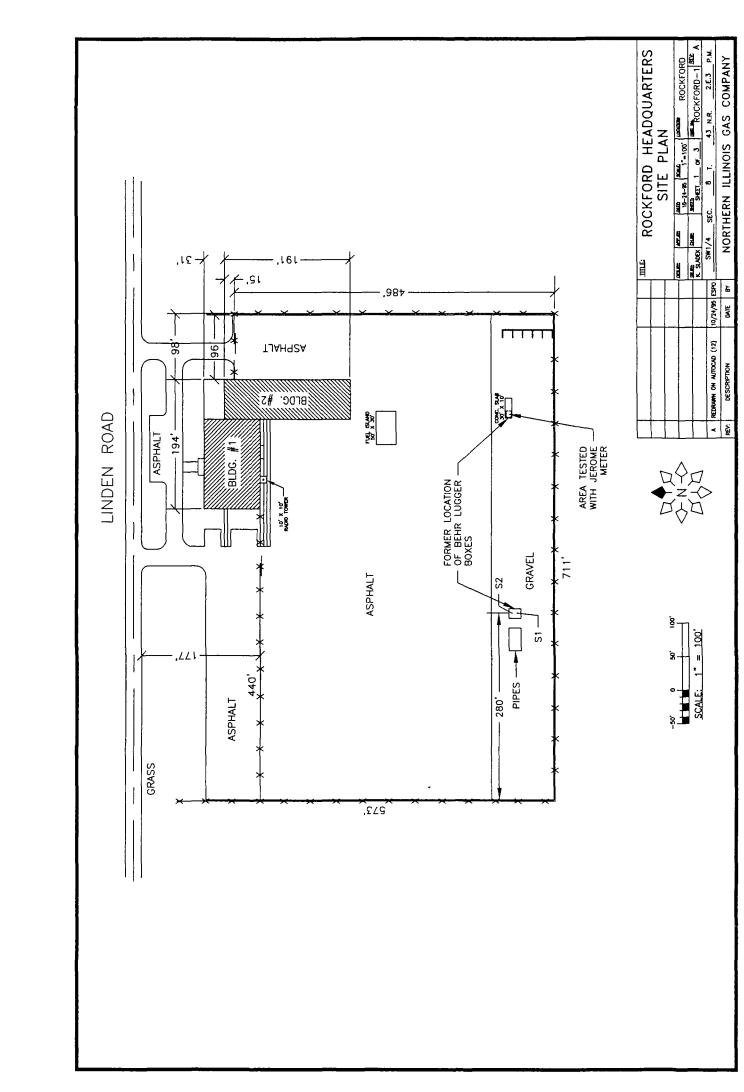
All Jerome Meter readings achieve objective (<0.010 mg Hg/m<sup>3</sup>).

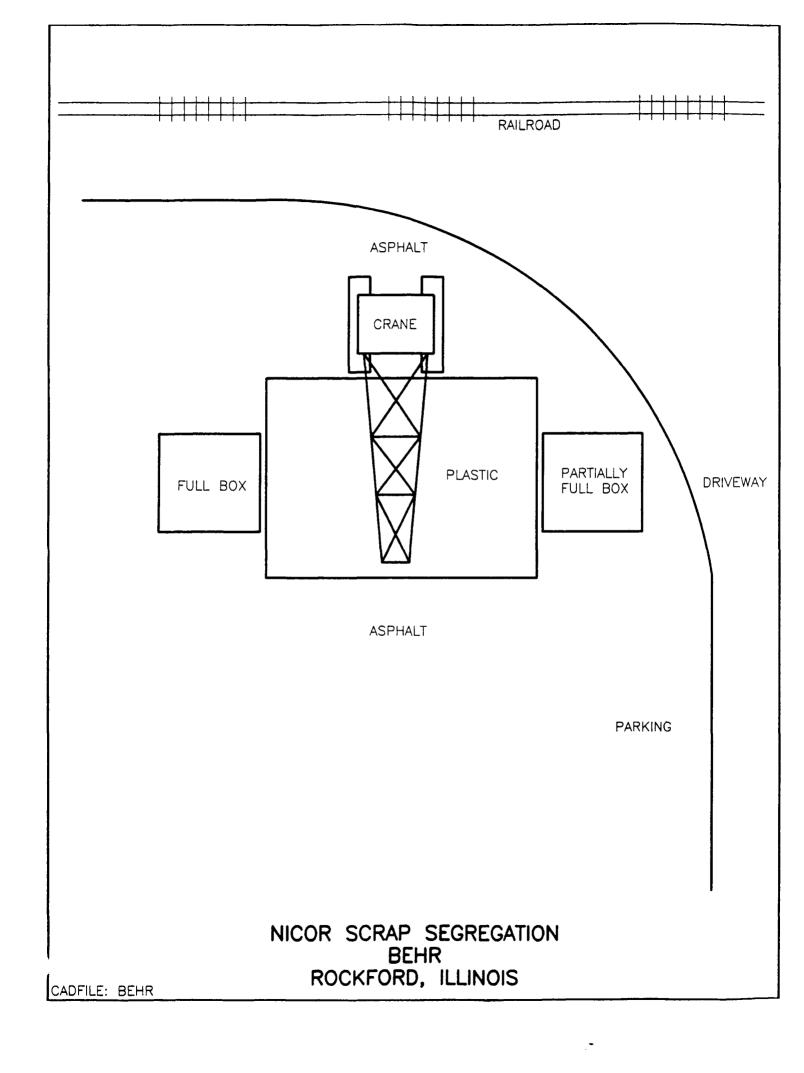
Soil sample results achieve objective (<10 mg/kg; residential Tier 1 Objective).

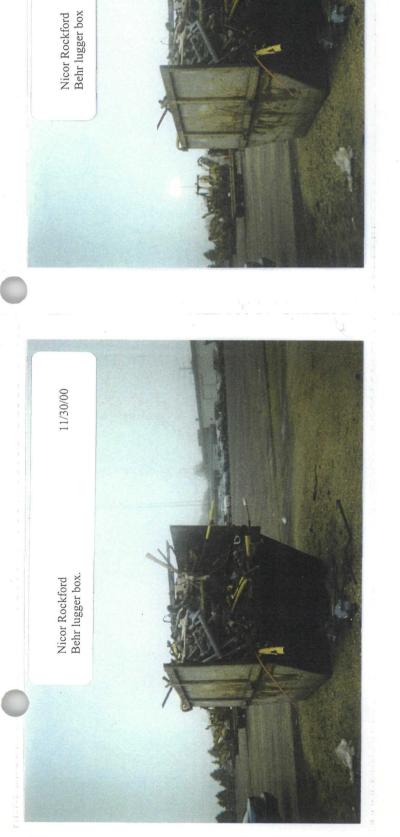
Work complete. No follow up required.

N/A – Not Applicable

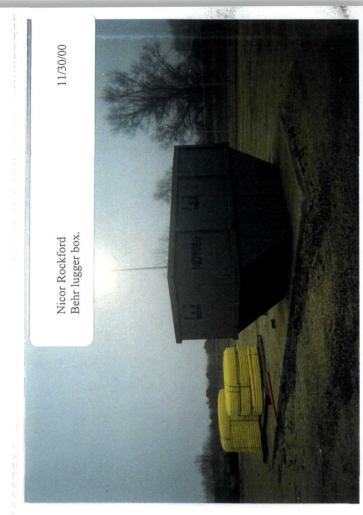
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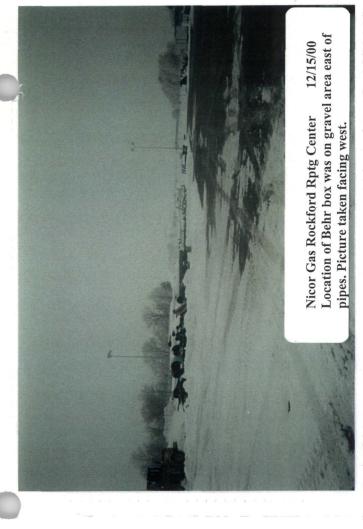


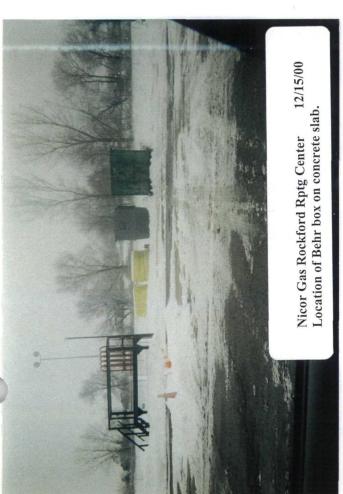


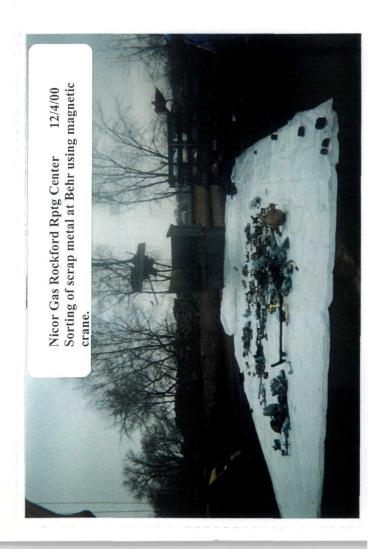
11/30/00



Nicor Rockford
Inside lugger box







Test/\merica

Bartlett Division 850 West Bartlett Road Bartlett, IL 60103

Phone: 630-289-3100 Fax: 630-289-5445

To assist us in using the proper analytical methods,

QC Deliverables (Batch QC) Level 3 Level 2 Level 4 REMARKS Other is this work being conducted for regulatory purposes? Project Name: NCS - RUCKITCKIT Init Lab Temps: 64 f ABORATORY COMMENT # 0 Compliance Monitoring Invoice To: Analyze For: Site/Location ID: Report To: Quote #: Project # Other (Specify) Preservation & # of Container  $\geq$ Client #: lone ma os<sup>z</sup> HOel CI EON Specify Other Matrix w Wastewater Client Name HILEE SHALEF, IN SW - Groundwater PIPOSNIOS - S -7958 SL - Studge DW - Drinking Water City/State/Zip Code: 1 A (S) ( A) (C) ( E. Filtered Project Manager: HTMA K12V G = Grab, C = CompositeTelephone Number: 308/588 Dalqme2 amiT MUNTA MUNTA Sampler Signature: 14 1100 10,40 D.h.C Address: 512 Date Sampled Sampler Name: (Print Name) ✓ Rush (surcharges may apply) Date Needed: 3 dQ公公 Fax Results: (Y) N Special Instructions: Standard SAMPLE ID I

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Date:



Homa Rizvi HUFF & HUFF INC. 512 West Burlington Suite 100 LaGrange, IL 60525 12/29/2000

Job Number: 00.13967

IEPA Cert. No.: 100221 WDNR Cert. No.: 999447130

Enclosed is the Analytical and Quality Control reports for the following samples submitted to Bartlett Division of TestAmerica for analysis.

Project Description: Nicor-Rockford R.C.

Sample	Sample Description	Date	Date
Number		Taken	Received
611513	#1	12/04/2000	12/21/2000
611514	#2	12/04/2000	12/21/2000

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. These results apply only to the samples analyzed. Reproduction of this report only in whole is permitted. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Procedures used follow TestAmerica Standard Operating Procedures which reference the methods listed on your report. Should you have questions regarding procedures or results, please do not hesitate to call. TestAmerica has been pleased to provide these analytical services for you.

This Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Approved by:

Project Manager

Page 1 of 6



12/29/2000 Homa Rizvi HUFF & HUFF INC.

512 West Burlington Sample No. : 611513

Suite 100

LaGrange, IL 60525 Job No.: 00.13967

Sample Description:

Nicor-Rockford R.C.

Date Received: 12/21/2000 Time Received: 16:45 Date Taken: 12/04/2000

Time Taken:

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
pH, Non-Aqueous	9.64		units	0.10	12/27/2000	jht	SW 9045B
Solids, Total	93.2		%	0.1	12/26/2000	jht	SM 2540
Mercury, CVAA	<0.043		mg/kg dw	0.043	12/28/2000	efw2	SW 7471A



Homa Rizvi 12/29/2000 HUFF & HUFF INC.

512 West Burlington Sample No. : 611514

Suite 100

LaGrange, IL 60525 Job No.: 00.13967

Sample Description: #2

Nicor-Rockford R.C.

Date Taken: 12/04/2000 Date Received: 12/21/2000

Time Taken: Time Received: 16:45

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
pH, Non-Aqueous	8.85		units	0.10	12/27/2000	jht	SW 9045B
Solids, Total	87.7		%	0.1	12/26/2000	jht	SM 2540
Mercury, CVAA	<0.046		mg/kg dw	0.046	12/28/2000	efw2	SW 7471A



Homa Rizvi HUFF & HUFF INC. 512 West Burlington Suite 100 LaGrange, IL 60525

12/29/2000

Job Number: 00.13967

IEPA Cert. No.: 100221 WDNR Cert. No.: 999447130

Project Description: Nicor-Rockford R.C.

#### CASE NARRATIVE

No analytical exceptions were noted outside of routine method protocols.

Page 4 of 6



## KEY TO ABBREVIATIONS and METHOD REFERENCES

<	:	Less than; When appearing in the results column indicates the analyte was not detected at or above the reported value.
mg/L	:	Concentration in units of milligrams of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per million (ppm).
ug/g	÷	Concentration in units of micrograms of analyte per gram of sample. Measurement used for non-aqueous samples. Can also be expressed as parts per million (ppm) or mg/Kg.
ug/L	:	Concentration in units of micrograms of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per billion (ppb).
ug/Kg	:	Concentration in units of micrograms of analyte per kilogram of sample. Measurement used for non-aqueous samples. Can also be expressed as parts per billion (ppb).
TCLP	·	These initials appearing in front of an analyte name indicate that the Toxicity Characteristic Leaching Procedure (TCLP) was performed for this test.
Surr:	:	These initials are the abbreviation for surrogate. Surrogates are compounds that are chemically similar to the compounds of interest. They are part of the method quality control requirements.
96	:	Percent; To convert ppm to %, divide the result by 10,000.  To convert % to ppm, multiply the result by 10,000.
ICP	:	Indicates analysis was performed using Inductively Coupled Plasma Spectroscopy.
AA	:	Indicates analysis was performed using Atomic Absorption Spectroscopy.
GFAA	:	Indicates analysis was performed using Graphite Furnace Atomic Absorption Spectroscopy.
PQL	:	Practical Quantitation Limit; the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
Method	References	
ASTM	"American S	ociety for Testing Materials"
EPA	"Methods fo	r Chemical Analysis of Water and Wastes", USEPA, EPA 600/4-79-020, Revised March 1983.
EPA	"Test Metho	ds for Organic Chemical Analysis of Municipal and Industrial Wastewater", EPA 600/4-82-057, July
SDWA	"Methods fo September 1	r the Determination of Organic Compounds in Finished Drinking Water and Raw Source Water", USEPA, 986.
SDWA	"Methods fo	r the Determination of Metals in Environmental Samples", Supplement I USEPA, EPA-600/R-94/111, May

Page 5 of 6

"Standard Methods for the Examination of Water and Wastewater", APHA-AWWA-WPCF, 18th Edition.

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", USEPA, SW-846.

SM

SW

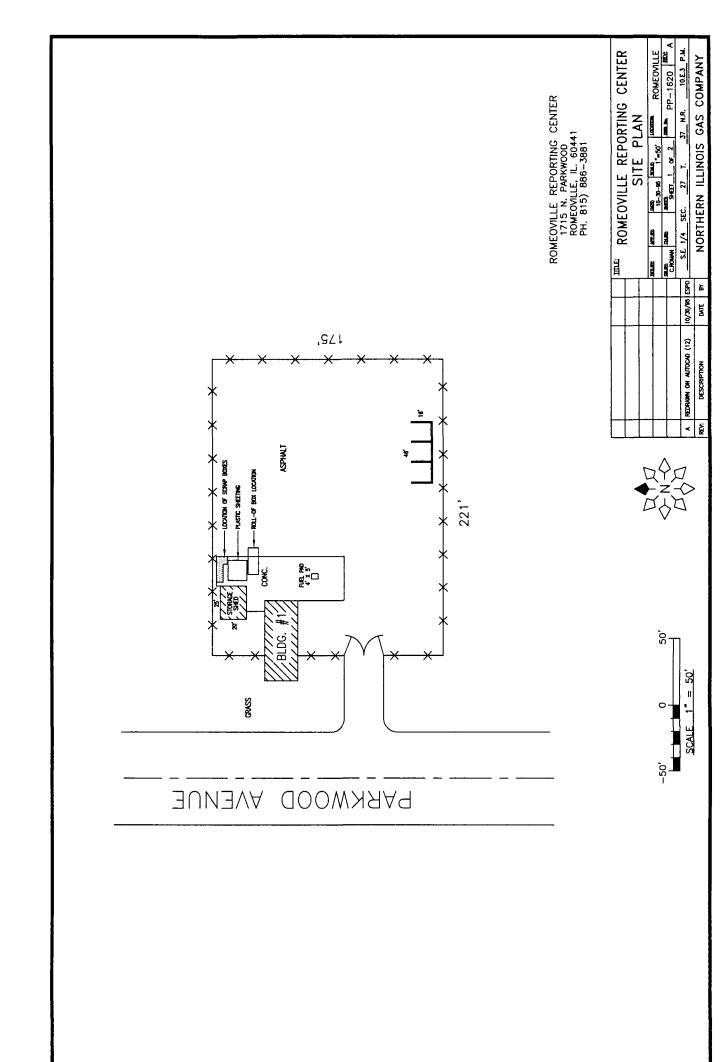
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# Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site Information								
Site name:	Romeoville Reporting Center							
Site location:	1715 N. Parkwood Rd. Romeoville, IL 60441							
Site contact and phone no:	Mike Henderson (708) 544-5707							
2. Initial Site Visit								
Date of initial site visit: Huff & Huff personnel on site:	11/22/00 Darren Greving							
No. of scrap piles: Scrap contained in: Box owner: Box ID no: Ground surface beneath scrap:	5 Box Concrete bin On the ground not identified not identified Asphalt Gravel Concrete Soil							
Description of scrap: Scrap piles stored in five small boxes.	Overflow from boxes on underlying concrete pad.							
Photographs attached:	Yes No No							
Screening of scrap:  Jerome Meter readings (mg Hg/m³)  Each box (uncovered):	Yes No 0.000 0.000 0.000 0.000							
3. Scrap Metal Segregation								
Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	11/29/00 Darren Greving D							
Location where scrap was sorted: Figure attached:	Site ⊠ Scrap yard ☐ Yes ⊠ No ☐							
Screening before segregation:  Jerome Meter readings (mg Hg/m³)  Each box (uncovered):	Yes No 0.000 0.000 0.000 0.000							

Description of segregation activities: A rolloff box was delivered to the site, The scrap was removed from the sma bobcat excavator and by hand. No mercury-type regulators or mercury	ller boxe	es, then to	ansferred			•		
No. of Hg-type regulators:	0							
Volume of scrap:       20 cubic yards         No. of scrap boxes shipped off-site:       1 rolloff box (274157)         Location shipped to/via:       United Scrap via Ozinga Transportation         Shipping papers attached:       Yes ☒ No ☒								
Photographs attached:	Yes [	☐ No 🏻						
Screening after segregation:       Yes ⋈ No □         Jerome Meter readings (mg Hg/m³)       Each of 5 boxes, empty (covered):       0.000								
Soil samples collected:	Yes [	☐ No 🏻						
5. Additional Comments								
None.								
6. Status	<u> </u>				COC			
No mercury-type regulators identified.  All Jerome Meter readings achieve objective (<0.010 mg Hg/m³).  Work complete. No follow up required.								
N/A – Not Applicable								

3. Scrap Metal Segregation (continued)



# ALTERNATE STRAIGHT BILL OF LADING-SHORT FORM

Shipper No. 1970905077

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Zin Code 2004   Origin			(Name of Carrier)	TRANS	
Drigin	Street 1715 N. PAKKWOOP	Shipper NICOR ROHEN (LLE		Date 11/2	. Carrier No
Zin Code 6044			,	29/00	

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(Signature of Consignor)	ment of median and other charges	Subject to Section 7 of the conditions of this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payons of forces that not make delivery of this shipment without payons of forces and of the consistency.	C.O.D. FEE: PREPAID D S COLLECT D S						<b>(</b>	Kind of Packaging, Description of Articles Special Marks and Exceptions		Zip Code 60604 Origin		Shipper NICOR ROHEN(C	~ 700%
	Freight prepaid	FREIGHT CHARGES Check Appropriate Box:	TOTAL \$ CHARGES.							Weight (Subject to RATE Correction)	Vehicle No.		akkwal	SOMEON (THE	
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terms and conditions in the governing classification on the date of the shipment are and a superfusion of the performed because the content of the subject to destination and as to each part, at any time interested in all or any of said property, that every service to be performed becomes shall be subject to differ him all or him and a subject to destination and as to each part, at any time interested in all or any of said property, that every service to be performed becomes shall be subject to differ him and as to each part, and the him all of him and property. property, make the contract appears to contract sushall place of delicent at Land destruction if on its route otherwise to delicent about proper on the route to said distinction it is mutually agreed as in each current all on mentally with the depict unknown marked cassigned and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person in reproviduous in providence in the HITTH subject to the classifications and tail My filed tenths in effect on the date of the issue of this Bill of Loong the property described above in apparent good order except as netcol fronteins, and constitute in

Unique hereby certified that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his

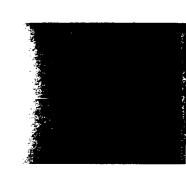
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Last Last	PER	CARRIER
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E 604047

21900 South Central Ave. Matteson, IL 60443 (708) 720-6000 Ship To: P.O. No. 14745 british Ideas GAS Shipper: WEIGHT(lb) PRODUCT DESCRIPTION C.O.D. AMOUNT MIJHIE LOAD Price 1147 41 **EMPTY** Tax .ΞT Total SOURCE **ADDRESS** TICKET NO. VI.41 111 115 1162 2 3 1. Cor 170150 16 HOURLY LOAD TIMES PORTAL TO PORTAL 4 5 TIME LOCATION Arrive Begin Load Start Depart 1035 Finish Total Total REQUESTED REASON FOR DELAY TIME MANIFEST NUMBER: COADER SIGNATURE DRIVED SIGNATURE 9304 TRUCK # OTSI LINER? Y / N HOW MANY? **UNLOAD TIMES** ROLL OFF BOX NUMBERS 4 5 DROPPED Arrive AT CUSTOMER Begin Unload End Unload PICKED UP AT CUSTOMER Depart ! \* COMMENTS . Total o hoad REQUESTED REASON FOR DELAY TIME BON# 274157 RECEIVER SIGNATURE DRIVER SIGNATURE

2ND OFFICE COPY





# E 604048

21900 South Central Ave. Matteson, IL 60443 (708) 720-6000

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J# 38636

**Metal Buyers and Recyclers** 

Weight Ticket

. 1545 South Cicero Avenue Cicero, Illinois 60804

FAX 708/780-0510 TEL 708/780-6800

77115

-12:12 FM 12 01 00 69082 71800 1b Truck / Trailer No. Customer

12:36 PM 12 01 00 69086 71800 1b (1) 62160 1b TR

16 MET

Carrier

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# Heritage Environmental Services, LLC Field Services Daily Job Summary

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# Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site Information								
Site name:	Schaumburg Reporting Center							
Site location:	1011 Wiley Rd. Schaumburg, IL 60172							
Site contact and phone no:	Mike Henderson (708) 544-5707							
2. Initial Site Visit								
Date of initial site visit: Huff & Huff personnel on site:	10/19/00 Darren Greving							
No. of scrap piles: Scrap contained in: Box owner: Box ID no: Ground surface beneath scrap:	2 Box ⊠ Concrete bin ☐ On the ground ☐ not identified (1) CR1051600. (2) not identified eath scrap: Asphalt ⊠ Gravel ☐ Concrete ☐ Soil ☐							
Description of scrap: Two lugger boxes. Spring-loaded regu	ulators identified in both boxes.							
Photographs attached:	Yes 🛛 No 🗌							
Screening of scrap: Jerome Meter readings (mg Hg/m³) Each box (uncovered):	Yes No							
3. Scrap Metal Segregation								
Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	11/13/00 Darren Greving D							
Location where scrap was sorted: Figure attached:	Site Scrap yard Yes No							
Screening before segregation: Jerome Meter readings (mg Hg/m³) Each box (uncovered):	Yes No 0.000 0.000 0.000 0.000							

Description of segregation activities: A rolloff box was delivered to the site and Plastic sheeting was spread on the gradox. The scrap was sorted on the plastic shadobcat excavator and by hand. 2 mercury-type regulators were identified. No mercury beads were identified.	ound su leeting a	rface betand then t	ween the	lugger bo	rolloff bo	x, using a
No. of Hg-type regulators:	2					
Location shipped to/via:	Herita	ige via He	eritage			
Manifests attached:		🛚 No 🗌	C			
Volume of scrap:	20 cu	bic yards				
No. of scrap boxes shipped off-site:		off box				
Location shipped to/via:			ia Ozinga	Transpor	tation	
Shipping papers attached:		No [	iu ozmgu	Transpor		
~		<u> </u>				
Photographs attached:	Yes 🏻	⊠ No □				
Screening after segregation: Jerome Meter readings (mg Hg/m³)	Yes [	No □				
Lugger boxes, empty (uncovered):	0.000	0.000	0.000	0.000	0.000	0.000
Scrap shipped offsite (covered):	0.000	0.000	0.000	0.000	0.000	0.000
4. Sample Collection and Analysis						· · · · · · · · · · · · · · · · · · ·
Soil samples collected:	Yes [	☐ No 🖾				
5. Additional Comments				· · · · · · · · · · · · · · · · · · ·		
None.						

3. Scrap Metal Segregation (continued)

# 6. Status

Two mercury-type regulators identified.

All Jerome Meter readings achieve objective (<0.010 mg Hg/m<sup>3</sup>).

Work complete. No follow up required.

N/A – Not Applicable

 $E: \label{local-$ 

STATE OF ILLINOIS

P.O. BOX 19276

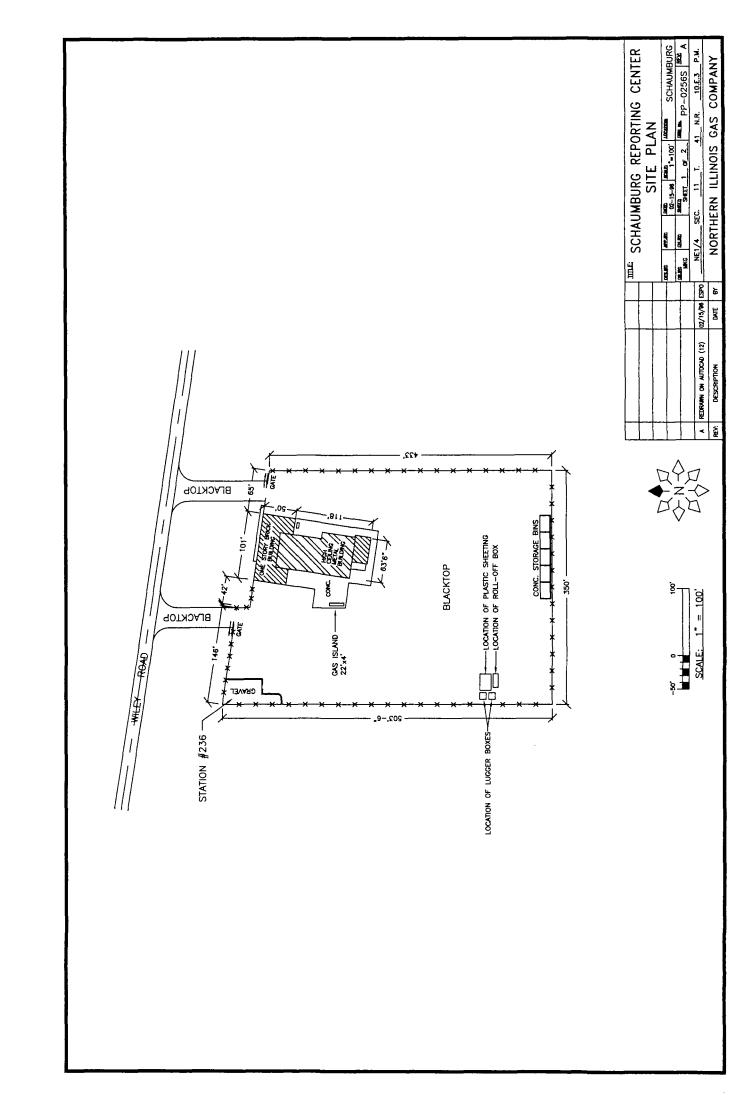
SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761

270 (277) 102 0701

FOR SHIPMENT OF HAZARDOUS AND SPECIAL WASTE

State Form LPC 62 8/81 IL532-0610 PLEASE TYPE EPA Form 8700-22 (Rev. 6-89) Form Approved OMB No. 2050-0039 (Form designed for use on elite (12-pitch) typewriter.) Manifest Information in the shaded areas is not required by Federal law, but is required by illunois law. 1. Generator's US EPA ID No. 2. Page 1 UNIFORM HAZARDOUS Document N 94390 ILD984783332 WASTE MANIFEST Name and Mailing Address A. Illinois Manifest Document Number FEE PAID IF APPLIC Location If Different 1844 FERRY ROAD NAPERVILLE, IL 60563 1011 WILEY ROAD IF APPLICABLE SCHAUMBURG, IL. 60172 B. Generator's II ID Number 10 3 11 2 8 2 5 0 1 3 4. \*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS\* Transporter's F 314460 US EPA ID Number 5. Transporter 1 Company Name ID Number HERITAGE TRANSPORT LLC - HR/E Transporter's Phone (317):381-6848 IND058484114 8 US EPA ID Number Transporter's 7. Transporter 2 Company Name **ID Number** F. Transporter's Phone ( US EPA ID Number 10. 9. Designated Facility Name and Site Address G. Facility's IL HERITAGE ENVIRONMENTAL SERVICES LLC ID Number | 0 | 3 | 1 | 1 | 6 | 2 | 0 | 0 | 0 | 7 15330 CANAL BANK ROAD H. Facility's Phone ( (630) 739-1151 LEMONT, IL 60439 ILD085349264 12. Containers 13. 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Total Unit Waste No. Type No. Wt/Vo Quantity EPA HW Number a.RQ, HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, E ERG#171 (HIGH MERCURY DEBRIS) PGIII N  $0.0.1 | D.M | O_1 O_1 O_1 4_1 O$ E EPA HW Number DOO9 R 29# RQ, HAZARDOUS WASTE, LIQUID, N.O.S., 9, NA3082, (MERCURY CLEANING SOLUTION) **PGIII** ERG#171 D F 0,0,0,0,5 0.0.1 EPA HW Number O C. R EPA HW Number d. K. Handling Codes for Wastes Listed Above In Item #14 J. Additional Description for Materials Listed Above 15. Special Handling Instructions and Additional Information 24 HOUR EMERGENCY PHONE # 1-800-48-SPILL CONTACT: INFOTRAK 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Date Date Printed/Typed Name Month Day Signature MIKE SPENCER AS AGENT FOR NICOR 1 2 2 0 0 0 17. Transporter 1 Acknowledgement of Receipt of Materials Date RANSPORTER Printed/Typed Name Month Day Year Signati MIKE SPENCER 1 | 2 | 2 | 0 | 0 | 0 18. Transporter 2 Acknowledgement of Receipt of Materials Date Printed/Typed Name Month Day Signature 19. Discrepancy Indication Space Replaces Manifest IL9293554, IL9303105 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Day Signature Month Year



Storm sewer inlet behind lugger boxes

Lugger boxes



Inside lugger box that contained non-copper scrap

CADFILE: SCHAUMBURG-1





E 613987

21900 South Central Ave. Matteson, IL 60443 (708) 720-6000

Date	11/14/00	
Delivery	Date	

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OTSI LINER? Y / N HOW MANY?		17825 1900 AA 93.25								
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2ND OFFICE COPY

# AI TERNATE STRAIGHT BILL OF LADING—SHORT FORM

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# Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site Information	
Site name:	Shorewood Reporting Center
Site location:	Rt. 59 & I-55 Shorewood, IL 60436
Site contact and phone no:	Bob Purchase (815) 740-4100
2. Initial Site Visit	
Date of initial site visit: Huff & Huff personnel on site:	09/11/00 Lisa Paulson
No. of scrap piles: Scrap contained in: Ground surface beneath scrap:	l Box ☐ Concrete bin ☐ On the ground ☒ Asphalt ☐ Gravel ☐ Concrete ☒ Soil ☐
Description of scrap:	Scrap on concrete, wooden walls on three sides.
Photographs attached:	Yes No No
Screening of scrap: Jerome Meter readings (mg Hg/ m³) Pile (uncovered):	Yes No \( \bigcap \) 0.018 \( 0.004 \) 0.016 \( 0.004 \)
3. Scrap Metal Segregation	
Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	09/11/00 Lisa Paulson C
Location where scrap was sorted: Figure attached:	Site ⊠ Scrap yard ☐ Yes ⊠ No ☐
Screening before segregation:	Yes No (See "2. Initial Site Visit", same day)

Description of segregation activities:  A rolloff box was delivered to the site and lined with plastic sheeting (box no. 274553).  Plastic sheeting was spread onto the ground between the scrap pile and the rolloff box.  The scrap was sorted on the plastic sheeting and then transferred into the rolloff box, using a magnetic crane and by hand.  No mercury-type regulators or mercury beads were identified.					
No. of Hg-type regulators:	0				
Volume of scrap: No. of scrap boxes shipped off-site: Location shipped to/via: Shipping papers attached:	20 cubic yards 1 rolloff box (274553) United Scrap via Ozinga Transportation Yes ☑ No ☐				
Photographs attached:	Yes 🛛 No 🗌				
Screening after segregation: Jerome Meter readings (mg Hg/ m³)	Yes No No				
Empty pile area (uncovered): Scrap shipped offsite (uncovered):	0.012     0.004     0.005     0.008       0.004     0.005     0.000     0.000				
4. Sample Collection and Analysis					
Soil samples collected: Date of sample collection: Collected by: Figure attached:	Yes No Collected at Shorewood 01/19/01, 03/20/01 Jose Gonzalez Yes No No				
Analytical laboratory:	Test America				
Sample ID Total Hg,	mg/kg (dry wt) pH				
SB-1 0.063 SB-2 0.120	S1 7.60 S2 7.69				
5. Additional Comments					
Illinois EPA onsite 09/11/00 (Ed Osowsk	ki & Gino Bruni).				

3. Scrap Metal Segregation (continued)

# 6. Status

No mercury-type regulators identified.

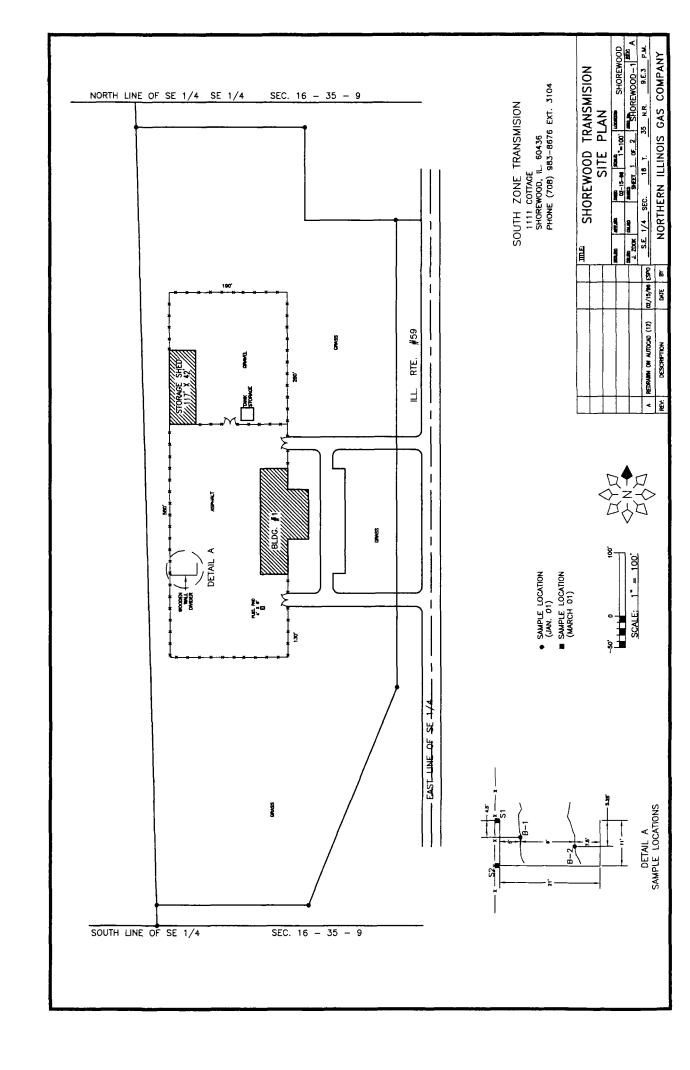
All except one final Jerome Meter reading achieved objective (<0.010 mg Hg/m<sup>3</sup>).

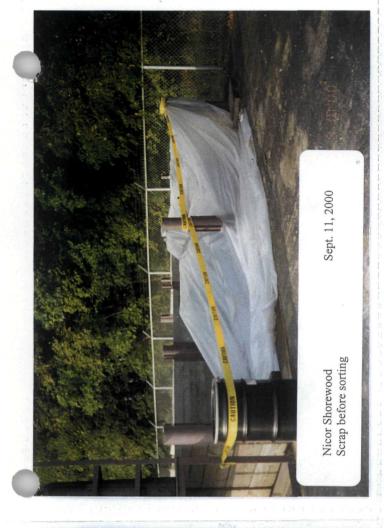
Soil sample results achieve objectives (<10 mg/kg, residential Tier 1 Objective; <6.4 mg/kg, soil component of Class I Groundwater Tier 1 Objective).

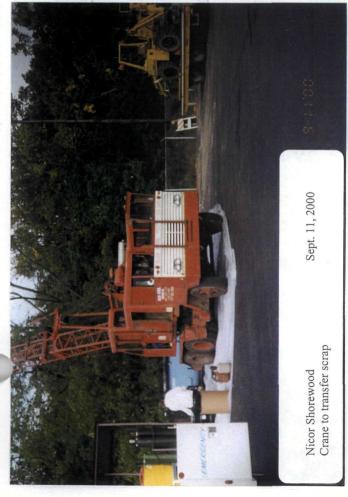
Work complete. No follow up required.

N/A – Not Applicable

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Sept. 11, 2000

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		(Signature	(Signature of Consignor)	}		

HECEIVED, subject to the classifications and lawfuly filed tanifis in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the prierty under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each pairty at any time interested in all or any of said property, that every service to be performed hereunder shall bis subject to all the bill of leding terms and conditions in the governing classification on the date of the shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his

SHIPPER VIG/ Gas	CARRIER 61050	
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Test/merica

602 Commerce Drive Watertown, WI 53094 Watertown Division

Phone: 920-261-1660 Fax: 920-261-8120

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes? Compliance Monitoring

QC Deliverables hold samele (Batch QC) Level 3 Level 4
Other: Level 2 REMARKS 2.12 Semple None 676497 Project Name: NICOR 11 SHRRELL CO Bottles Supplied by TestAmerica LABORATORY COMMENT Init Lab Temp: (/) # B z Method of Shipment: Rec Lab Temp: PAVESON Custody Seals: Site/Location ID: 116.25 word 9:39 Analyze For Time Report To: Invoice To: Project #: Quote #: Time: 10/V Date: Fax 108 579-352 Other (Specify) Preservation & # of Containers Client #: oue ouequay OSZ Received By:, Received By: Received By HOP % (i) SIZ W AURLINGTON 1CI ONH Specify Other WW - Wastewater 15% PMI 708-571-5940 GW - Groundwater S - Soil/Solid 5 DW - Drinking Water Sludge Client Name Hoff & HUFF NC 15A PAULSIN 1,7762 2:9 Time: Time: Field Filtered G = Grab, C = CompositeCAGGANGE رع کلاہے۔) Date: Date: Date: Time Sampled نزم J- 19 1-16 1-19 Date Sampled Project Manager: Sampler Name: (Print Name) Sampler Signature: City/State/Zip Code: Address: Telephone Number: 12-18 K1.21 7.5 Aush (surcharges may apply) 21-7 Date Needed: (- 36-0 9-2 ナシジ 19 -1 Special instructions: Fax Results: Y Relinquished By: Relinquished By Relinquished By: Standard SAMPLE ID **M** B



Ms. Lisa Paulson HUFF & HUFF INC. 512 West Burlington Suite 100 LaGrange, IL 60525 02/02/2001

Job Number: 01.00363

IEPA Cert. No.: 100221 WDNR Cert. No.: 999447130

Enclosed is the Analytical and Quality Control reports for the following samples submitted to Bartlett Division of TestAmerica for analysis.

Project Description: Nicor Hg, Shorewood, IL.

Sample	Sample Description	Date	Date
Number		Taken	Received
614226	SB-1 6-12'	01/19/2001	01/24/2001
614227	SB-2 6-12'	01/19/2001	01/24/2001

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. These results apply only to the samples analyzed. Reproduction of this report only in whole is permitted. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Procedures used follow TestAmerica Standard Operating Procedures which reference the methods listed on your report. Should you have questions regarding procedures or results, please do not hesitate to call. TestAmerica has been pleased to provide these analytical services for you.

This Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Approved by:

Project Manager

Page 1 of 6



# ANALYTICAL REPORT

Ms. Lisa Paulson HUFF & HUFF INC.

512 West Burlington

Suite 100

LaGrange, IL 60525

02/02/2001

Sample No. : 614226

Job No.: 01.00363

Sample Description: SB-1 6-12'

Nicor Hg, Shorewood, IL.

Date Taken: 01/19/2001 Time Taken:

Date Received: 01/24/2001 Time Received: 10:48

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
Solids, Total	90.6		o <sub>l</sub> a	0.1	01/29/2001	jht	SM 2540
Mercury, CVAA	0.063		mg/kg dw	0.044	01/30/2001	efw2	SW 7471A



# ANALYTICAL REPORT

02/02/2001 Ms. Lisa Paulson

HUFF & HUFF INC. 512 West Burlington Sample No. : 614227

Suite 100

LaGrange, IL 60525 Job No.: 01.00363

Sample Description: SB-2 6-12'

Nicor Hg, Shorewood, IL.

Date Received: 01/24/2001 Time Received: 10:48 Date Taken: 01/19/2001

Time Taken:

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
Solids, Total	93.7		8	0.1	01/29/2001	jht	SM 2540
Mercury, CVAA	0.12		mg/kg dw	0.043	01/30/2001	efw2	SW 7471A



Ms. Lisa Paulson HUFF & HUFF INC. 512 West Burlington Suite 100 LaGrange, IL 60525 02/02/2001

Job Number: 01.00363

IEPA Cert. No.: 100221 WDNR Cert. No.: 999447130

Project Description: Nicor Hg, Shorewood, IL.

## CASE NARRATIVE

No analytical exceptions were noted outside of routine method protocols.

Page 4 of 6



## KEY TO ABBREVIATIONS and METHOD REFERENCES

<	: Less than; When appearing in the results column indicates the analyte was not detected at or above the reported value.
mg/L	: Concentration in units of milligrams of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per million (ppm).
ug/g	: Concentration in units of micrograms of analyte per gram of sample. Measurement used for non-aqueous samples. Can also be expressed as parts per million (ppm) or mg/Kg.
ug/L	: Concentration in units of micrograms of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per billion (ppb).
ug/Kg	: Concentration in units of micrograms of analyte per kilogram of sample. Measurement used for non-aqueous samples. Can also be expressed as parts per billion (ppb).
TCLP	: These initials appearing in front of an analyte name indicate that the Toxicity Characteristic Leaching Procedure (TCLP) was performed for this test.
Surr:	: These initials are the abbreviation for surrogate. Surrogates are compounds that are chemically similar to the compounds of interest. They are part of the method quality control requirements.
%	: Percent; To convert ppm to %, divide the result by 10,000.  To convert % to ppm, multiply the result by 10,000.
ICP	: Indicates analysis was performed using Inductively Coupled Plasma Spectroscopy.
AA	: Indicates analysis was performed using Atomic Absorption Spectroscopy.
GF <b>AA</b>	: Indicates analysis was performed using Graphite Furnace Atomic Absorption Spectroscopy.
PQL	: Practical Quantitation Limit; the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
Method	References
ASTM	"American Society for Testing Materials"
EPA	"Methods for Chemical Analysis of Water and Wastes", USEPA, EPA 600/4-79-020, Revised March 1983.
EPA	"Test Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", EPA 600/4-82-057, July 1982.
SDWA	"Methods for the Determination of Organic Compounds in Finished Drinking Water and Raw Source Water", USEPA, September 1986.
SDWA	"Methods for the Determination of Metals in Environmental Samples", Supplement I USEPA, EPA-600/R-94/111, May 1994.

Page 5 of 6

"Standard Methods for the Examination of Water and Wastewater", APHA-AWWA-WPCF, 18th Edition.

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", USEPA, SW-846.

SM

SW



# ATTACHMENT: CHAIN OF CUSTODY

Following are the chain of custody documents associated with the samples pertaining to this report.

PAGE 6 of 6

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P.07 MAR-26-2001 08:22



# ANALYTICAL REPORT

Sarah Monette HUFF & HUFF INC.

512 West Burlington

Suite 100

LaGrange, IL 60525

03/26/2001

Sample No. : 620551

Job No.: 01.02294

Sample Description:

S1 Nicor - Reporting Centers

Date Taken: Time Taken: 03/20/2001 Date Received: 03/21/2001

Time Received: 16:30

Analytical Date Analyst Reporting Result Flag Units Limit Initials Method Analyzed SW 9045B 0.10 03/23/2001 jht 7.60 units pH, Non-Aqueous



### ANALYTICAL REPORT

Sarah Monette HUFF & HUFF INC.

512 West Burlington

Suite 100

LaGrange, IL 60525

03/26/2001

Sample No. :

Job No.: 01.02294

Sample Description: S2

Nicor - Reporting Centers

03/20/2001 Date Taken:

Time Taken:

Date Received: 03/21/2001

Time Received: 16:30

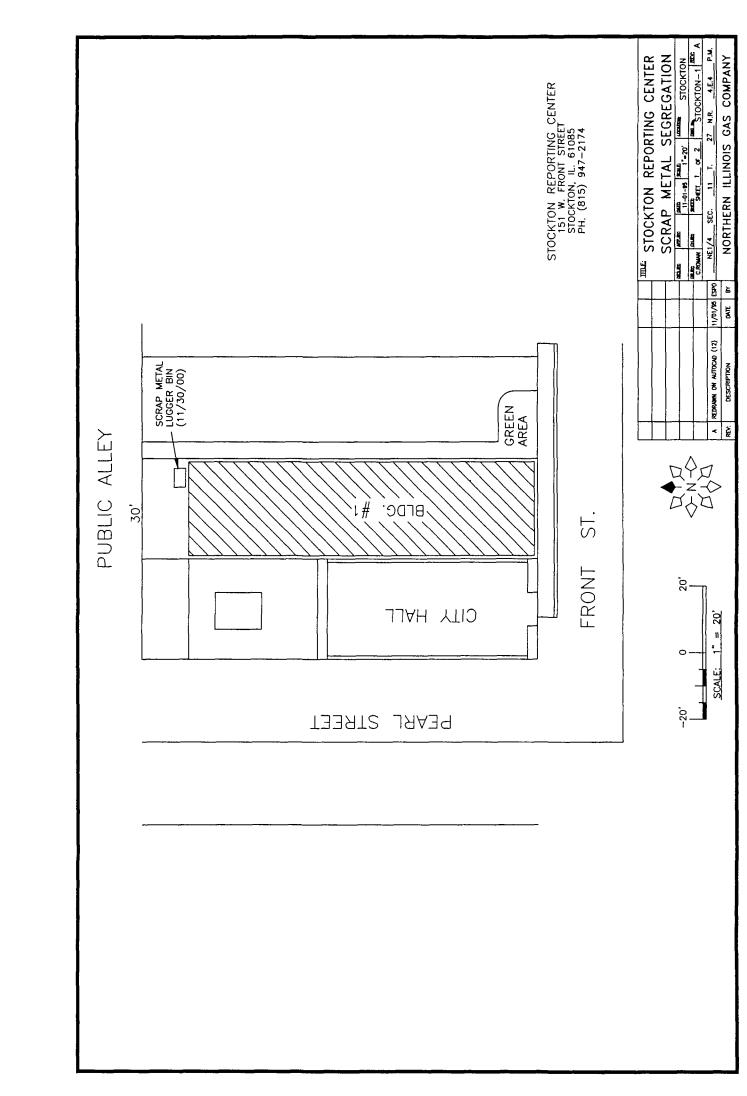
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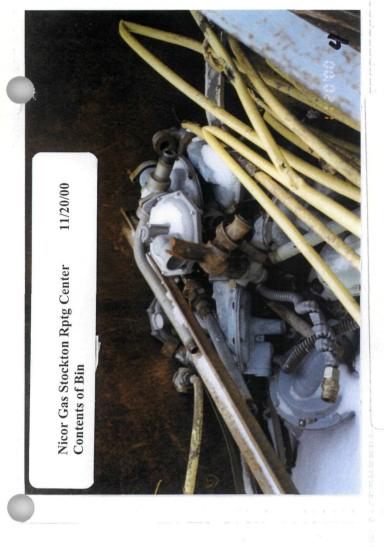
## Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site information											
Site name:	Stockton Reporting Center										
Site location:	151 W. Front St. Stockton, IL 61085										
Site contact and phone no:	Steve Martin (630) 629-2500										
2. Initial Site Visit											
Date of initial site visit: Huff & Huff personnel on site:	11/20/00 Floro Ham										
No. of scrap piles: Scrap contained in: Box owner: Box ID no. Ground surface beneath scrap:	1 Box ⊠ Concrete bin ☐ On the ground ☐ not recorded not recorded Asphalt ☐ Gravel ☐ Concrete ☒ Soil ☐										
Description of scrap: Small pile of scrap metal inside lugger bolts. The lugger box was approximate	box consists of spring-type regulators, pipes, nuts, and ely half full.										
Photographs attached:	Yes No No										
Screening of scrap: Jerome Meter readings (mg Hg/ m³) Scrap pile (uncovered):	Yes No \( \bigcap \) 0.000 \( 0.000 \) 0.000 \( 0.000 \) 0.000										
3. Scrap Metal Segregation											
Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	11/30/00 Floro Ham D										
Location where scrap was sorted: Figure attached:	Site Scrap yard Yes No										

3. Scrap Metal Segregation (continued	
Screening before segregation:  Jerome Meter readings (mg Hg/ m³)  Scrap pile (uncovered):	Yes No \( \bigcap \) 0.000 \( 0.000 \) 0.000
*	lloff box from the lugger box because no mercury-type ox. The pile was small enough to make this
No. of Hg-type regulators:	0
Volume of scrap: No. of scrap boxes shipped off-site:	2 cubic yards 1 rolloff box (200277, also used at Freeport and Troy Grove)
Location shipped to/via: Shipping papers attached:	United Scrap via Ozinga Transportation Yes ⊠ No □
Photographs attached:	Yes No No
Screening after segregation: Jerome Meter readings (mg Hg/ m³) Empty lugger box (uncovered):	Yes No \( \subseteq 0.000 \) 0.000 \( 0.000 \)
4. Sample Collection and Analysis	
Soil samples collected:	Yes 🗌 No 🔯
5. Additional Comments None.	
6. Status	
No mercury-type regulators identified.	
All Jerome Meter readings achieve object	tive ( $<0.010 \text{ mg Hg/m}^3$ ).
Work complete. No follow up required.	
N/A – Not Applicable	

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Nicor Gas Stockton Rptg Center 11/30/00 Bin contents bagged





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### Heritage Environmental Services, LLC Field Services Daily Job Summary

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Customer Acceptance	To Manager	Date: ( ) ( ) ( )	Heritage Rep Date:	<i>.</i>
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# Nicor Gas Inspection Form Huff & Huff, Inc.

1. Site Information											
Site name:	Troy Grove Storage Field										
Site location:	169 N. 36 <sup>th</sup> Rd., Station 50, RFD #2 Mendota, IL 61342										
Site contact and phone no:	Steve Martin (630) 629-2500										
2. Initial Site Visit											
Date of initial site visit: Huff & Huff personnel on site:	11/07/00 Floro Ham										
No. of scrap piles: Scrap contained in: Ground surface beneath scrap:	1 Box ☐ Concrete bin ☐ On the ground ☒ Asphalt ☒ Gravel ☐ Concrete ☐ Soil ☐										
Description of scrap: Scrap metal present on ground and in d stove, bed frame, wires, bolts, and spring	rums on ground. Scrap consists of pipes, tanks, electric ag-loaded regulators.										
Photographs attached:	Yes 🗌 No 🖂										
Screening of scrap: Jerome Meter readings (mg Hg/ m³) Scrap pile (uncovered):	Yes No \( \subseteq \text{0.000} \) 0.000 \( 0.000 \) 0.000 \( 0.000 \) 0.000 \( 0.000 \) 0.000										
3. Scrap Metal Segregation											
Date of scrap segregation: Huff & Huff personnel on site: Level of Personal Protective Equipment:	12/01/00 Floro Ham D										
Location where scrap was sorted: Figure attached:	Site Scrap yard Yes No										

3. Scrap Metal Segregation (continued)											
Screening before segregation:  Jerome Meter readings (mg Hg/ m³)  Scrap pile (uncovered):	Yes No \( \sum \) 0.000 0.000 0.000 0.000 0.000 0.										
Scrup pric (uncovereu).	0.000	0.000	0.000	0.000	0.000	0.000					
Description of segregation activities: Two rolloff boxes were delivered to the 200372).	site (box	nos. 20027	7 from Fr	eeport/St	ockton ar	nd					
The scrap was loaded directly into the rolloff box from the lugger box because no mercury-type regulators were identified in the lugger box. The pile was small enough to make this determination based upon a visual screening.											
No. of Hg-type regulators: 0											
Volume of scrap: No. of scrap boxes shipped off-site: Location shipped to/via: Shipping papers attached:	15 cubic yards 1-1/4 rolloff boxes (200277 and 200372) United Scrap via Ozinga Transportation Yes ☑ No ☐										
Photographs attached:	Yes 🔀	No 🗌									
Screening after segregation:	Yes 🗌	No 🖂									
4. Sample Collection and Analysis											
Soil samples collected:	Yes 🗌 No 🔀										
5. Additional Comments											
A rolloff box full of scrap metal boiler tanks and parts from a Nicor demolition project also was present during initial site visit on 11/07/00. Nicor Gas instructed that the rolloff box was not to be screened or segregated because United Scrap would haul it offsite to their yard, as-is.											

### 6. Status

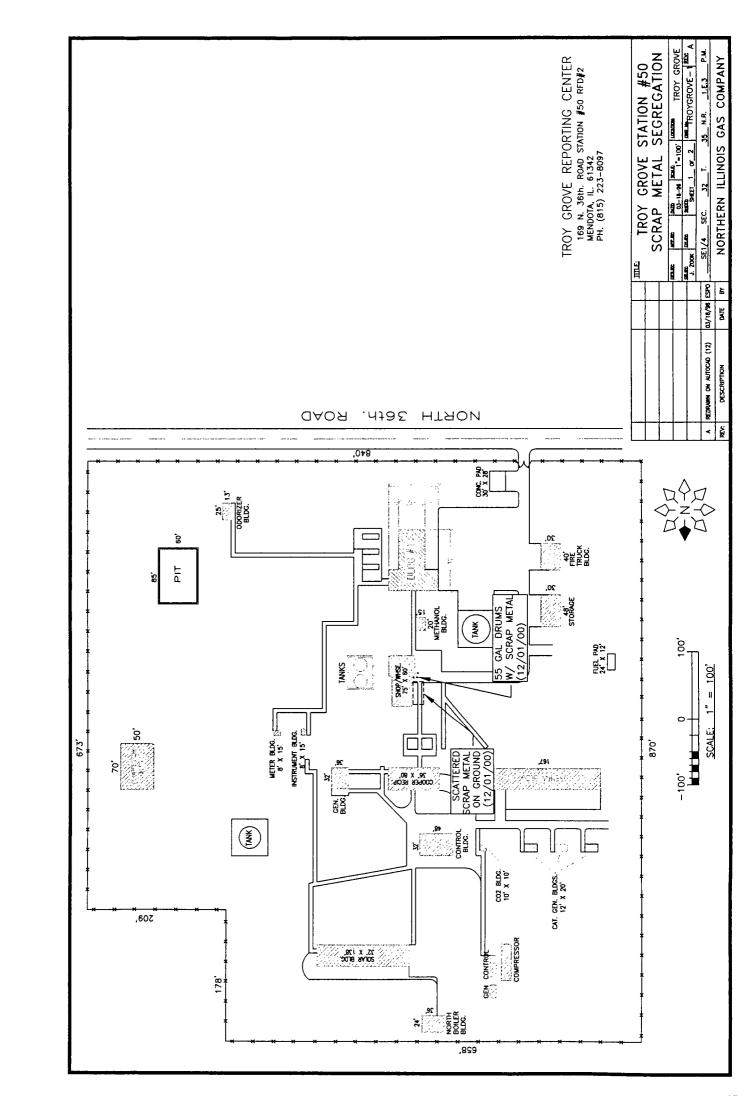
No mercury-type regulators identified.

All Jerome Meter readings achieve objective (<0.010 mg Hg/m³).

Work complete. No follow up required.

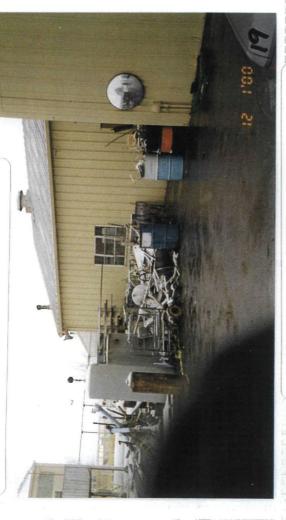
N/A – Not Applicable

 $C: \label{localized} C: \label{localized} IDOC\ \ Nicor\ \ Mercury\ \ Reporting Centers\ \ Summary Forms\ \ \ TroyGrove\ Storage. doc$ 



12/1/00 Nicor Gas Troy Grove Rptg Center Scrap Metal Storage Pile

Nicor Gas Troy Grove Rptg Center 12/1/00 Scrap Metal Pile w/Heritage Bobcat & Ozinga Rolloff



12/1/00

Nicor Gas Troy Grove Rptg Center Scrap Metal Storage Pile

Nicor Gas Troy Grove Rptg Center 12/1/00 Bobcat loading scrap metal and onto rolloff





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### Heritage Environmental Services, LLC Field Services Daily Job Summary

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### Heritage Environmental Services, LLC Field Services Daily Job Summary

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### ADDENDUM TO REMOVAL ACTION AND CONFIRMATION SAMPLING PLAN

### NICOR GAS REPORTING CENTERS AND OTHER INDUSTRIAL/COMMERCIAL LOCATIONS

September 21, 2000 Revised October 25, 2000

By James E. Huff, P.E.



### 1. INTRODUCTION

Nicor Gas previously developed a Standard Operating Procedure (SOP) for cleanup of mercury at Nicor Reporting Centers and other industrial/commercial locations where mercury has been identified. Based on the experience developed, this SOP has been amended, and this amended plan is included in Section 2. In addition, Nicor Gas desires to sort its scrap metal at all of its other Reporting Centers, where mercury vapors and mercury regulators have not been detected/observed within the scrap metal bins. This new SOP is presented in Section 3.

# 2. DECONTAMINATION OF SCRAP METAL BINS/PADS AT THE REPORTING CENTERS WHERE MERCURY REGULATORS OR MERCURY VAPORS ABOVE 0.010 mg/cu m ARE PRESENT

Nicor has completed segregating the mercury regulators (and mercury contaminated debris) from the remainder of the scrap metal present in the scrap metal bins at certain Reporting Centers. At some Reporting Centers, the scrap metal is stored on a concrete pad, with wooden sides. The following procedure is substantially the same at either type of site, modified as appropriate based on site specific conditions:

- 1. Place DOT rolloff box within ten feet from the existing scrap bins (or pads) and remove any tarp cover from DOT rolloff box.
- 2. With a Jerome meter, 1/ measure and record the mercury vapor values on all four sides of the new rolloff box and the middle, by inserting the meter tip 6 to 12 inches inside the box. Reject the box if the average mercury level is greater than 0.010 mg/cu m.
- 3. Line the new rolloff box if not already lined.
- 4. With the Jerome meter, measure and record the mercury vapor readings within the existing scrap metal bin(s) on all four sides, holding the meter 3 to 6 inches above the scrap metal in the bin. Record the readings.
- 5. Drape plastic between the scrap metal bin and the new rolloff box if close enough or triple line the ground area between the rolloff and the existing scrap metal bin where loads may be dropped to remove mercury type regulators.
- 6. Monitor the perimeter of the boxes/bins with Jerome meter before starting, and every 20 minutes during the transfer for mercury vapors.
- 7. Prior to the transfer, suit up workers that will be inspecting the magnet and scrap metal transfer in Level C that will be closely inspecting the magnet and bin for mercury regulators and await for IEPA/U.S. EPA staff to observe the transfer operation, as requested.
- 8. Begin transfer operation with the magnet, removing small enough loads to readily inspect each load. All sides of the magnet are to be checked.
- 9. After every five loads or so, inspect the bin for newly exposed mercury type regulators. If readily accessible, remove by hand. Otherwise have the magnet gently set the regulator on the triple lined plastic.
- 10. Place any mercury type regulators in a lined 55 gal drum, and place lid on the drum (unsealed at this point).

2

<sup>&</sup>lt;sup>1</sup>/Where a Jerome Meter is referenced herein, a Lumex Meter may be substituted as available and where positive interference are suspected with the Jerome Meter readings.

- 11. Continue until scrap bin is substantially empty of ferrous metal.
- 12. Try to minimize the removal of paper, wood, and cardboard into the rolloff box.
- 13. Upon emptying the bins, before cleaning, use the Jerome meter and record the mercury vapor readings in the rolloff box and the bins, using the same procedure as above.
- 14. With coordination of the IEPA, carefully pull out the mercury-type regulators and open mercury end cap to see if mercury is present, and to provide the Agency rep with a sample, if so desired.
- 15. Record Jerome meter mercury vapor reading in each mercury regulator where no mercury was present.
- 16. When the IEPA is done with any mercury regulators, close up drum and seal it and label drum with Yellow Hazardous Waste Label, and complete the generator ID number, address of Reporting Center. The DOT shipping name will be:
  - "RO, Waste Mercury contained in manufactured articles, 8, UN2809, PG III."
  - These regulators will be disposed of as "high-level" mercury waste," at Superior Special Services in Port Washington, WI.
- 17. Clean inside of the bin(s), striving to achieve 0.010 mg/cu m by scrapping, sweeping, vacuuming, and using mercury cleaning solution 102, as appropriate. Place all paper, cardboard, and small wood in 55 gal drums for disposal as low level mercury contaminated (D009).
- 18. Larger pieces of debris should be checked with the Jerome meter. If less than 0.010 mg/cu m, place in the company trash dumpster. If over 0.010 mg/cu m, cut up and put in the 55 gal drum described above for the low level mercury debris.
- 19. Place all plastic in the same low level mercury debris drums.
- 20. After completion of the work, use the Jerome meter on the new scrap steel rolloff box, recording the values on all 4 sides.
- 21. Label all low level mercury debris with a Yellow Hazardous Waste Label. The proper DOT shipping name will be:
  - "RQ, Hazardous Waste Solid, n.o.s., 9, NA 3077, PG III, (D009)"

This low level waste will be transported to EQ in Belleville, MI for proper disposal.

For determining if a rolloff box full of scrap metal is "mercury-free", the following protocol will be used:

- 1. Cover the rolloff box and immediately take mercury vapor readings between 3 and 6 inches above the scrap metal at six locations approximately equally spaced around the perimeter of the rolloff box.
- 2. At any location where a reading above 0.000 mg/cu m is recorded, collect a total of three samples at this location.
- 3. Average the three samples from each location into a single value.
- 4. Average the twelve samples, using 0.001 mg/cu m for all readings of 0.000 mg/cu m.
- 5. If the average is less than 0.010 mg/cu m, the material will go off as scrap metal to United Scrap. If the mercury vapors are above an average 0.010 mg/cu m, the scrap will be shipped off as solid waste to Newton County Landfill.

### 2.2 Soil/Concrete/Asphalt Sampling

### 2.2.1 Soil Screening and Soil Removal Procedures

After all of the scrap metal from the Reporting Center has been removed, and any visible mercury vacuumed up, a 10-ft by 10-ft sampling grid will be set up in the vicinity of the scrap storage and along any obvious drainage path. The following procedure will be utilized:

- 1. Set out a 10-ft by 10-ft grid with flagging or paint over the area.
- 2. Using the Jerome Meter, with particulate filter (or Lumex Meter) readings will be taken at the center of each flagged area, by placing an inverted cup over the area, if impervious, or by placing surficial material into a plastic bag and reading the head space. The results will be recorded. At any location where a positive reading is obtained, a second reading will be taken. The average result will be utilized. If interference is suspected, the zero filter will be installed and another reading taken.
- 3. At any earthen location where a reading above 0.010 mg/cu m is obtained, a backhoe will remove 6 inches of soil from the 10-ft by 10-ft area, and the area will be re-tested. Impervious areas will be washed with a mercury decontamination solution. This procedure will continue until the entire area achieves 0.010 mg/cu m mercury vapor.
- 4. The excavated soil will be loaded into a lined rolloff box or 1 cu yd lined box depending on the amount.
- 5. At the completion of this phase, the excavated soil will be sampled and covered.
- 6. The soil will be analyzed for TCLP RCRA metals. The soil will be disposed of as a RCRA low level mercury hazardous waste at EQ or as a solid waste at CID based on the sampling

results. Appropriate labels will be secured to the rolloff box as soon as analytical results are available.

### 2.2.2 Soil Confirmation Sampling Protocol

The following protocol will be used for confirming that the mercury has been successfully removed from the site.

- 1. From each row (in pervious areas), a soil sample from the location having the highest final Jerome Meter reading will be sampled from 0 to 3 inches using a hand auger, if possible, or a shovel and pick ax if the ground is too firm for the hand auger. The soil will be placed into a stainless steel mixing bowl, mixed thoroughly, and placed in four 4-ounce clean laboratory jars for analysis.
- 2. All samples will be labeled with the site, date, time, and sample grid location, and initialed by sampler. All samples will be placed in individual plastic bags and sealed to avoid cross contamination, and immediately placed in a cooler with ice. Care will be taken in filling the coolers to avoid breakage. A chain of custody will accompany the samples to the laboratory.
- 3. Between samples, the sampling equipment will be cleaned with the following protocol:

Alconox Wash with potable water
Tap water dip rinse
Mercury decontamination solution
Tap water dip rinse, separate container
Distilled water spray rinse
Air Dry

- 4. The samples will be shipped to Test America's Bartlett Laboratory for analysis of total mercury using method SW846 7471A, which has a method detection limit of 0.04 mg/kg and TCLP mercury by Method SW 846-1311 and 7470A which has a method detection limit of 0.0002 mg/L. In addition, the soil pH and % solids will be measured, so that it can be determined whether the soil migration to ground water pathway objectives are achieved and to report the results on a dry weight basis.
- 5. Duplicates will be collected for mercury and pH on one in ten samples. Field blanks and trip blanks will be collected daily when conducting confirmation sampling.
- 6. Test America will provide results ten working days from receipt.
- 7. Any confirmation samples above the objectives will necessitate further soil removal and additional confirmation testing.

### 2.3 Soil Cleanup Objectives

Response actions conducted by Nicor at the site will be deemed complete upon satisfaction of appropriate remediation objectives for mercury as provided at 35 III. Adm. Code Part 742. For reference purposes, the Tier 1 remediation objective for mercury are as follows:

### Ingestion

Residential	23 mg/kg
Industrial/Commercial Objective (I/C)	610 mg/kg
Construction Worker Objective (CW)	61 mg/kg

### Inhalation

Residential	10 mg/kg
Industrial/Commercial Objective (I/C)	540,000 mg/kg
Construction Worker Objective (CW)	52,000 mg/kg

Soil migration to ground water

Soil pH	Total Mercury, mg/kg
4.5 to 4.74	0.01
4.75 to 5.24	0.01
5.25 to 5.74	0.03
5.75 to 6.24	0.15
6.25 to 6.64	0.89
6.65 to 6.89	2.1
6.90 to 7.24	3.3
7.25 to 7.74	6.4
7.75 and abov	e 8.0
or	
TCLP Mercur	y 0.002 mg/L

Nicor shall utilize the remediation objectives provided above or establish site specific standards or remediation strategies consistent with the requirements of 35 Ill. Adm. Code Part 742. If the industrial/commercial objectives are utilized a deed restriction will be instituted.

# 3. DECONTAMINATION OF SCRAP METAL BINS/PADS AT REPORTING CENTERS WHERE NO MERCURY-TYPE REGULATORS ARE VISIBLE and NO MERCURY VAPORS HAVE BEEN DETETCED ABOVE 0.010 mg/cu m

### 3.1 Background

Nicor Gas accumulates scrap metal at all of its Reporting Centers and at its Gas Storage Fields. At most of these locations, the scrap is stored in 6-to-12 cu yd scrap metal boxes (Lugger Boxes) owned by the scrap metal dealer. At some locations, the scrap is stored on asphalt or concrete, typically within three concrete or wooden walls, and the scrap periodically is removed by the local dealer.

All of these scrap metal storage areas have been checked visually for mercury-type regulators and with a Jerome Meter for the presence of mercury vapors. At certain locations, no mercury-type regulators were observed and all of the corners of the boxes had mercury vapors less than 0.010 mg/cu m. In essence, there is no evidence that any mercury-type regulators are present within these areas.

Nevertheless, Nicor desires to ensure with absolute certainty that no mercury-type regulators are present in the scrap processed by scrap dealers. Many of the scrap metal dealers are requesting that their Lugger Boxes be returned.

Sorting through the scrap looking for mercury-type regulators requires a grappler or magnetic crane. Moving such a crane from site-to-site has proven to be the rate limiting step in sorting. Each scrap metal dealer is set up to sort through scrap with such cranes, and each scrap dealer will only move his own Lugger Boxes.

Given this information, the following removal procedure is proposed for those scrap metal areas where there is no evidence of a mercury-type regulator.

### 3.2 Procedure

- 1. Contact the scrap metal dealer associated with each Nicor Reporting Center/Gas Storage Field about the possibility of sorting scrap, and cleaning the Lugger Box at the dealer's yard. Where an affirmative response is received, proceed accordingly. Where a scrap metal dealer declines, proceed with sorting at the Nicor facility, using a rental rolloff box for the transferred scrap.
- 2. Arrange for the scrap metal dealer to pick up all of its boxes at Nicor facilities, (except for those which are to be sorted at the Nicor facilities due to the presence of visible regulators or mercury vapors above 0.010 mg/cu m). If multiple Nicor facilities are using the same dealer, ask the dealer to record which Nicor facility each box originated from. These boxes are to be moved to the scrap yard, but not dumped.

- 3. Mobilize to the scrap yard and set down a double-lined plastic sheet. Have the scrap metal from the Lugger Box placed onto the plastic. If earthen beneath the plastic, collect four surficial soil samples before laying down the plastic sheet. Place each sample in a plastic bag, and set aside. If asphalt/concrete is beneath the plastic, screen the ground surface with the Jerome Meter <sup>2</sup>/ and record the reading.
- 4. Carefully inspect the scrap metal for mercury-type regulators as it is placed onto the plastic. Remove any such regulators and immediately place in a lined 55 gallon drum. Record the number of regulators removed from each box.
- 5. A Jerome Meter will be present to monitor for mercury vapors during the sorting operation. This sorting will be performed in Level D, unless breathing zone mercury vapors exceed 0.012 mg/cu m, at which point workers will upgrade to Level C..
- 6. Place any paper, cardboard, wood or other debris in a 1 cu yd DOT box for disposal, along with the PPE and plastic sheeting. This box will be screened and if the average mercury vapor reading is above 0.010 mg/cu m, it will be disposed of at EQ as low-level mercury waste. If the average mercury vapor reading is less than 0.010 mg/cu m, these boxes will be consolidated at Heritage for disposal at CID in Calumet City, Illinois.
- 7. After completion of the scrap metal transfer, check the inside of the Lugger Boxes with a Jerome Meter by climbing inside and taking readings one-inch (± 0.5 inches) off the floor and walls. Clean the box if any area has an average reading above 0.010 mg/cu m.
- 8. Clean inside the Lugger Boxes, striving to achieve 0.010 mg/cu m by scraping, sweeping, vacuuming, and using mercury cleaning solution 102", as appropriate. Place all paper, cardboard, and small wood in container for disposal as low level mercury contaminated waste (D009).
- 9. Remove the plastic for disposal as solid waste, unless mercury regulators were found resulting in mercury beads. If a mercury release onto the plastic is a potential concern, dispose plastic as low level mercury hazardous waste at EQ. The plastic can be screened with the Jerome Meter, using the 0.010 mg/cu m as guidance for disposal.
- 10. Collect four additional soil samples in the plastic baggies and screen with Jerome Meter, and record results. If asphalt/concrete, screen surface as done initially, and record results. Decontaminate the area if the readings indicate an increase in mercury vapors.
- 11. With the exception of the mercury-type regulators and scrap metal testing above 0.010 mg/cu m, leave all of the remaining scrap, including spring-type regulators, at the scrap yard for processing. (The exception here is at the DeKalb and Ottawa Scrap Yards, where all regulators will be removed and placed in the 20 cu yd boxes that are on site awaiting disposal at Newton County Landfill.)

<sup>&</sup>lt;sup>2</sup>/ Where a Jerome Meter is referenced herein a Lumex Meter may be substituted as available, and where positive interference are suspected with the Jerome readings.

- 12. Remove all wastes generated by this process to Heritage for staging or directly to disposal.
  - The mercury regulators will go to Superior in Port Washington (as RQ, Waste mercury contained in manufactured article, 8, UN 2809, PGIII-A DOT corrosive label is to be placed on each container.)
  - The low level mercury waste will go to EQ in Belleville, MI (as RQ, Hazardous Waste Solid UN 15, 9, NA 3077, PGIII (D009).
  - The non-hazardous waste will go to CID in Calumet City, including soil removed, PPE and plastic.
  - Scrap metal testing above 0.010 mg/cu m mercury vapor will be transported to Newton County Landfill as a non-hazardous waste.
  - All scrap metal testing below 0.010 mg/cu m mercury vapors will go to United Scrap.

### 3.3 Soil/Concrete/Asphalt Screening

### 3.3.1 Soil Screening and Soil Removal Procedures

After all of the scrap metal from the Reporting Center has been removed, the area will be visibly inspected for mercury droplets beneath the scrap metal bins. Any evidence of mercury will be noted, screened and removed. Then, a 10-ft by 10-ft sampling grid will be set up in the vicinity of the scrap storage and along any obvious drainage path. The following procedure will be utilized:

- 1. Set out a 10-ft by 10-ft grid with flagging or paint over the area.
- 2. Using the Jerome meter, with particulate filter (or Lumex Meter) readings will be taken at the center of each flagged area, by placing an inverted cup over the area, if impervious, or by placing surficial material into a plastic bag and reading the head space. The results will be recorded. At any location where a positive reading is obtained, a second reading will be taken. The average result will be utilized. If interference is suspected, the zero filter will be installed and another reading taken.
- 3. At any earthen location where a reading above 0.010 mg/cu m is obtained, a backhoe will remove 6 inches of soil from the 10-ft by 10-ft area, and the area will be re-tested with the Jerome or Lumex Meter. Impervious areas will be washed with a mercury decontamination solution. If after two washings the area does not meet 0.010 mg/cu m, any cracks will be sealed and an asphalt sealer will be placed over any asphalt areas.
- 4. The excavated soil will be loaded into a lined rolloff box or 1 cu yd lined box depending on the amount.
- 5. At the completion of this phase, the excavated soil will be sampled and covered.
- 6. The soil will be analyzed for TCLP RCRA metals. The soil will be disposed of as a RCRA low level mercury hazardous waste at EQ or as a solid waste at CID based on the sampling results. Appropriate labels will be secured to the rolloff box as soon as analytical results are available.

### 3.3.2 Soil Confirmation Sampling Protocol

The following protocol will be used for confirming that the mercury has been successfully removed from the site. Confirmation sampling will only occur where soil excavation has occurred.

- 1. From each row (in the east to west direction, or 1 to X on Figure 3-1), a soil sample from the location having the highest final Jerome Meter reading will be sampled from 0 to 3 inches using a hand auger or trowel, if possible, or a shovel and pick ax if the ground is too firm for the hand auger. The soil will be placed into a stainless steel mixing bowl, mixed thoroughly, and placed in four 4-ounce clean laboratory jars for analysis.
- 2. All samples will be labeled with the site, date, time, and sample grid location, and initialed by sampler. All samples will be placed in individual plastic bags and sealed to avoid cross contamination, and immediately placed in a cooler with ice. Care will be taken in filling the coolers to avoid breakage. A chain of custody will accompany the samples to the laboratory.
- 3. Between samples, the sampling equipment will be cleaned with the following protocol:

Alconox Wash with potable water
Tap water dip rinse
Mercury decontamination solution
Tap water dip rinse, separate container
Distilled water spray rinse
Air Dry

- 4. The samples will be shipped to Test America's Bartlett Laboratory for analysis of total mercury using method SW846 7471A, which has a method detection limit of 0.04 mg/kg and TCLP mercury by Method SW 846-1311 and 7470A which has a method detection limit of 0.0002 mg/L. In addition, the soil pH and % solids will be measured, so that it can be determined whether the soil migration to ground water pathway objectives are achieved and to report the results on a dry weight basis.
- 5. Duplicates will be collected for mercury and pH on one in ten samples. Field blanks and trip blanks will be collected daily when conducting confirmation sampling.
- 6. Test America will provide results ten working days from receipt.
- 7. Any confirmation samples above the objectives will necessitate further soil removal and additional confirmation testing.

### 4. MISCELLANEOUS AREAS AT REPORTING CENTERS AND COMMERCIAL/INDUSTRIAL FACILITIES

There are other areas at the various Reporting Centers and at industrial/commercial facilities where mercury vapor readings have been identified. Examples include concrete floors where the mercury flasks have been stored and areas around manometer locations at industrial sites.

In the case of a trash dumpster testing positive, the contents of the dumpster will be transferred into lined 55-gallon drums for disposal at EQ as low level mercury waste. The dumpster will then be cleaned following a similar protocol to the scrap bins in the previous sections, with a cleanup goal of 0.010 mg/cu m, based upon an average of not less than six readings.

Concrete with mercury vapor readings above 0.010 mg/cu m will be first vacuumed with a mercury approved vacuum, with mercury trap, carbon, and HEPA filter. The pad will then be washed with a mercury decontamination solution. Wooden surfaces will be decontaminated at the Nicor Reporting Centers to 0.025 mg/cu m, recognizing the difficulty in decontaminating more porous-type surfaces.

Using the Jerome meter, Mercury vapor readings will be collected between 3 and 6 inches off the concrete floor not less than 1 reading for every 50 sq ft. Any areas exhibiting more than 0.010 mg/cu m will be decontaminated again, and if necessary, sealed.

### 5. NICOR GAS SERVICE VEHICLES

Mercury vapor may be present in some trucks, within the passenger cab, the tool and pipe fitting bins, and the cargo space area. Because these trucks travel on public streets, decontamination will be conducted until each area achieves an mercury vapor reading in each of the three areas of less than or equal to 0.010 mg/cu m. using a Jerome Meter. The following screening and decontamination protocol will be followed:

- 1. Nicor Safety Department personnel accompanied by a Fleet Management employee will visit each Reporting Center.
- 2. Each truck will be screened for mercury vapor at the following locations.

#### Cab

Left side floor
Left side seat
Right side floor
Right side seat
Right side head level

### Bin #1

Top Side Middle Bottom

#### Bin #2

Top Side Middle Bottom

#### Cargo Area

Floor level (3-6" off floor) 4 samples minimum

- 3. Any cab or cargo areas with a mercury reading above 0.010 mg/cu m will be inspected for visible mercury. If observed, it will be cleaned using Hg Absorb and Mercury Vapor Absorbent Powder. The cleaned area will then be retested.
- 4. Vehicles that fail to achieve the 0.010 mg/cu m. mercury vapor objective will be driven to Heritage Environmental Services for a more aggressive protocol.
- 5. The area of the truck that is above the mercury vapor objective will result in discarding all materials within the area in a low level mercury waste lined 55-gallon drum. Tools will be decontaminated with a mercury decontamination solution. The area will be vacuumed and washed with a mercury decontamination solution above drip pans. The cleaned area will then be retested.

6.	. The decontaminati Treatment Facility level.	ion solution will l as Hazardous or No	oe disposed of a on-Hazardous was	it Heritage's ite, depending	Indianapolis on the TCLP	Mercury mercury

### CLEANING OF FIRE PREVENTION PIT AT CRYSTAL LAKE REPORTING CENTER

Prior screening at the Crystal Lake Reporting Center identified mercury vapors in the pit containing fire suppression piping located in the maintenance garage above 0.010 mg/cu m.

The pit, approximately 7 feet by 9 feet and 5 feet deep, has concrete floor and walls and is covered with a metal grate. It contains several 12-inch diameter water lines associated with the building's fire suppression system. The source of the mercury is believed to have been a broken manometer.

There is a floor drain on the bottom of one of the vertical walls in the pit that appears to lead to a drainage ditch south of the building and north of the street. Before any cleaning activities begin, dye testing will be completed to determine the end point of the drain in the pit.

The following procedure will be used to clean the pit.

- 1. Fabricate and install a ventilation system consisting of a visqueen enclosure with a blower connected to an activated carbon canister. Construction workers will enter the enclosure wearing level C PPE.
- 2. Take initial Jerome (or Lumex) meter readings before activating ventilation blower.
- 3. Pour a quart of the mercury decontaminant solution "Mercon-X" into the floor drain. Plug the drain at this point with an expandable plug.
- 4. Apply (spray and sponge) mercury decontaminant solution "Mercon-X" to the piping, walls and floor. Allow the applied solution to set for one hour.
- 5. With a brush and mild soap, wash the walls. Follow up with a steam rinse.
- 6. Wet vac the water from the pit and place into a 55-gallon drum. The collected water will be tested for TCLP mercury for disposal purposes.
- 7. Using the fabricated ventilation system, air dry the pit for two hours.
- 8. Turn off the ventilation system after the 2 hours drying time. Use a Jerome meter to record mercury vapor readings. Readings will be recorded at the following locations:

four corners, six inches from floor four corners, at middle height of the pit (2.5') four corners, at top of pit

- 9. If the average reading is below 0.010 mg/cu m, decontamination will be deemed complete. If average reading is above 0.010 mg/cu m, repeat cleaning process.
- 10. The activated carbon will be tested for total and TCLP mercury prior to disposal.
- 11. Set up a collection system at end point of drain, and remove drain plug.
- 12. The sewer will be flushed with a high-pressure sewer washer. The water will be collected from end point and placed into a 55-gallon drum. The water will be analyzed for disposal purposes.
- 13. Soil samples will be collected at the end point of the drain for analysis of total mercury, TCLP mercury, and pH, if indeed the sewer drains to an earthen drainage ditch. Samples will be collected from low-lying spots where any mercury contamination would be expected to be greatest. Any soil identified above applicable industrial/commercial remedial objectives as outlined in 35 Ill Adm Code Part 74 will be excavated and disposed of offsite.

### CLEANING OF PIT AT BELLWOOD REPORTING CENTER

Prior screening at the Bellwood Reporting Center identified mercury vapors in a dry well in the Storeroom Building above 0.010 mg/cu m. The pit is approximately 2' X 2' X 2', with an apparent gravel floor. A four-inch diameter natural gas line runs vertically through the dry well. The gas line turns 90 degrees and exits the pit horizontally. A second smaller line runs horizontally through the pit.

The following steps will be utilized to clean the pit.

- 1. Vacuum the gravel and debris from the bottom of the pit using a high powered vacuum truck.
- 2. Apply (using sponges and sprays) mercury decon solution to walls and piping in the pit. Let sit for one hour.
- 3. Wash the walls with a mild soap solution and brushes, follow up by steam cleaning the walls and piping. The vacuum truck will be used to remove water during the washing/steam cleaning process.
- 4. A hand auger will be used to collect a soil sample from the bottom of the pit. The sample will be analyzed for total mercury, TCLP mercury, and soil pH.
- 5. The gravel and debris removed will be emptied into an open top 55-gal drum, and tested for total and TCLP mercury. Depending upon the results, the gravel will be disposed of as high level mercury hazardous waste (at Superior Special Services), low level mercury hazardous waste (at EQ), or as a non-hazardous solid waste (at CID).
- 6. The decontamination and rinse water will be drummed and tested for total and TCLP mercury, and disposed of accordingly.